

EDUCATION DEVELOPMENT IN INDONESIA 2012/2013



Ministry of National Education and Culture Center for Educational Data and Statistics 2013



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FOREWORD

"Education Development in Indonesia, 2012/2013" aims to enrich information concerning the education system in Indonesia on the perspective of its efforts, growth and development. In addition, this publication also discusses the problems and challenges that may be faced by the system in the future.

This book comprises five parts (1) Introduction: (2) Education System of Indonesia; (3) Educational Attainments; (4) Perspective of the National Development Programs 2005-2009; and (5) Issues and Education Programs 2009-2014.

Our great thanks and appreciation are dedicated to those who brought this publication into being. Critics and feedbacks are very much appreciated.

We hope that the readers find this publication valuable.

Jakarta, December 2013

Head, Center For Educational Data and Statistics

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Executive Summary

Indonesia is a highly pluralistic country and diverse nation, reflected by its national credo: *Bhinneka Tunggal Ika* or Unity in Diversity. With various ethnics and several hundreds different local dialects, the country might only be compared with Europe in terms of diversity. The diversity becomes more visible by considering the disparity in economic, social, technological infrastructure and natural resources.

At the outset of 2000s Indonesia was trying to survive from the economic crisis which had never been over yet since 1997, while trying to keep up with the growing demands of globalization by improving its competing ability. Currently, Indonesia faces various and enormous challenges, on one hand generated as the impact of the economic crisis at almost every social-economical-cultural aspect, on the other hand, the occurring impact has been agreed upon to be determined through out human resources development efforts. Globalization is asserting the strong accent on improving human resources as the most distinctive factor to improve the nation competing ability.

Government has made efforts in expanding opportunities for basic, vocational and professional education through formal and non-formal education channels. The main objective was to diminish social gap emerges in the society in the advent of modernization and globalization. Education is considered as the most determining factor in the expansion of labor opportunities, enhancement of status and position and other things considered important in one's life. It is assumed that justice and equity in social welfare can only be achieved through the provision of equal opportunity to quality education.

Based on Minister's regulation Number 1, Year 2012, to implement this mission, the Minister of Education and Culture who is the head of the Ministry of Education and Culture is assisted by 2 vice minister (Vice Minister on Education and Vice Minister on Culture) and five advisors. Those advisors are 1) Expert Staff on Law, 2) Expert Staff on Social and Economic Education, 3) Expert Staff on International Cooperation, 4) Expert Staff on Organization and Management, and 5) Expert Staff on Culture and Education Psychology.

The advisors are experts in their particular fields but have no decision-making power. Their works are to give their weighed opinion, advice, or information to the Minister within their respective fields of expertise.

At the central level, the organizational structure of the Ministry of Education and Culture consists of ten main units. These ten units are the following:

- 1. Secretariat General
- 2. Directorate General of Early Childhood, Non-formal, and Informal Education
- 3. Directorate General of Basic Education
- 4. Directorate General of Secondary Education
- 5. Directorate General of Higher Education
- 6. Directorate General of Culture
- 7. Inspectorate General
- 8. Office of Research and Development
- 9. Office of Development and Establishment of Language

10. Office of Education and Culture Human Resources Development and Education Quality Assurance

As of the policy agenda stated in the Fives Years Development Plan/FYDP (Rencana Pembangunan Lima Tahun/Repelita), starting from Repelita I (1969) to VI and Strategic Planning from 2001 to 2009, education has been developed mainly on the basis of three main strategies. From Strategic Planning 2005 to 2009, there are main policies: 1) the expansion of an equalization educational opportunity, 2) the improvement of education quality, relevancy, and competing ability, and 3) governance, accountability, and public image. The following will deal with the general education situation and problems during 1968 or 1969 to 2011.

To achieve MoEC vision and mission, a clearer formulation of 2010-2014 strategic goal and targets is needed to provide indicators for implemented mission and achieved vision. The 2010-2014 MoEC Strategic Goal is formulated based on education service levels and a governance system is required to deliver excellent educational services as desired in 2014 MoEC vision formulation by taking into account 2010-2014 MoEC mission formulation. Therefore, the 2010-2014 MoEC strategic goals are as follows:

- a. Availability and affordability of ECE services which are quality and equality in every province, district and city.
- b. Guarantee to obtain basic education services which are quality and equal in every province, district and city.
- c. Availability and affordability of secondary education services which are quality, relevant and equal in every province, district and city.
- d. Availability and affordability of higher education services which are quality, relevant, internationally competitive and equal in every province.
- e. Availability and affordability of sustainable adult education services which are equal, quality and relevant with the needs of the society.
- f. Availability of reliable governance system to ensure the delivery of excellent national education services.

For the purpose of measuring the achievement of educational development strategic goal, several strategic targets are required to describe certain conditions which must be obtained by 2014. The strategic targets for every strategic goal are as follows:

- 1. Strategic target to achieve availability of reliable governance system to ensure the delivery of excellent national education.
- 2. Strategic target to guarantee if obtaining basic education services which are quality and equal in every province, district and city
- 3. Strategic target to achieve availability and affordability of secondary education services which are quality, relevant and equal in every province, district and city
- 4. Strategic target to achieve availability and affordability of higher education services which are quality, relevant, internationally competitive, and equal in every province
- 5. Strategic target to achieve availability and affordability of sustainable adult education services which are equal, quality and relevant with the needs of the society

| 6. | Strategic target to achieve availability of reliable governance system to ensure the delivery of excellent national education services |
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CHAPTER I INTRODUCTION

A. Background

Indonesia is a highly pluralistic country and diverse nation, reflected by its national credo: *Bhinneka Tunggal Ika* or Unity in Diversity. With various ethnics and several hundreds different local dialects, the country might only be compared with Europe in terms of diversity. The diversity becomes more visible by considering the disparity in economic, social, technological infrastructure and natural resources.

At the outset of 2000s Indonesia was trying to survive from the economic crisis which had never been over yet since 1997, while trying to keep up with the growing demands of globalization by improving its competing ability. Currently, Indonesia faces various and enormous challenges, on one hand generated as the impact of the economic crisis at almost every social-economical-cultural aspect, on the other hand, the occurring impact has been agreed upon to be determined through out human resources development efforts. Globalization is asserting the strong accent on improving human resources as the most distinctive factor to improve the nation competing ability.

So far, national development has been granted mainly on economy as the most decisive factor, as it has consequence to the quality improvement of human resources as the prime movers. The emphasis on improving human resources appears in all sectors and sub-sectors of national development plans and programs to confirm that the government is aware of the role of quality human resources.

As the main issue resides in human resources development, the Ministry of Education and Culture (MoEC) is responsible to the framework of national education development for the quality improvement of human resources. For this reason, it is critical for MoEC to apply numerous policies on education that will address the challenges in the improvement of the quality of human resources.

The development of national education cannot be isolated from elements that have an effect on economic development. Various studies indicate that among the significant development sectors, population and labor force associated very closely with the efforts in developing national education system.

Economic development which was done in the past had produced significant progress, nevertheless, at the same time it brought problems that urgently need to be solved. The focus of previous development had merely brought an achievement on high level of economic growth which leads to the increase of income per capita, the reduction of poverty index, and the improvement of human quality life.

However, economic development oriented to improve national productivity, is not accompanied by development and empowerment of institutions, public as well as private, especially financial institutions that should be functioned as efficient and wise resource allocation.

B. The Future Viewpoints

Indonesia is in the process of an abrupt change from agricultural to industrial and at once information society. The transformation process of economy, labor force, science and technology, and occupational skills have generated numerous trends and challenges, which in turn, have impacts on the education system orientation in the future. Among those challenges are: the significance of improving sectors' value-added and productivity changes in the social structure and global competitiveness intensified with the use of information and communication technology.

Firstly, there is a great need for the enhancement of the value-added orientation across industrial and economic sectors. This will increase the level of national productivity and economic growth as a means to maintain and improve further overall social progress. The enhancement of value-added will in turn enable the Indonesian to improve their competitiveness through achieving superiority in the quality of the people and society. There are people who have mastered science and technology effectively, begun to evolve adaptation and cultivation of the national industrial culture.

there is Secondly, evidence that the structural transformation process from agricultural to industrial society exist. This is one of the indicators that the take-off process in national development starts evolving. The transformation occurred as a consequence of the rise of industrial sector which is revealed by the emerging new and various types of occupations and positions. They require innovative and conducive skills and expertise to the advancement of science and technology. The diversification of new positions and expertise also may cause changes in the physical and social structure and accompanying transformation in the value and belief system.

The society faces conflict between those who support and wish to continue traditional values embedded in the subsistent nature of the system and those who wish to confirm modern

values newly evolved in industrial society. Although traditionally, society in every culture has capabilities and mechanisms to solve their own problems, the Indonesian should be able to change and handle ways of dealing with such conflicts in an objective and thoughtful manner.

Thirdly, like any other nation, Indonesian has been confronted with the challenge of global competitiveness which is intensified even move with the massive use of information and communication technology. It affects political, social-economic, and cultural climates in a virtual world society, where "the nation-state" becomes a hazy concept. Globalization is expected to generate intensified competition among nations particularly in the fields of economy as well as science and technology. Nations that excel in the two areas may utilize this great opportunity to win the global human race. Supremacy in the field of economy and technology can primarily be achieved by the quality of the human resources. Numerous opportunities cannot be optimally utilized and thereby be wasted, unless we have high quality of human resources.

From the nation's dignity viewpoint, globalization creates a perception that the Indonesian are citizens of a global society and therefore, can take benefit from it. From another viewpoint, however, there is a thrust to preserve and strengthen the national identity. These two perceptions are neither contradictory nor optional, but are complementary one to another. It is impossible for a nation to merely choose and follow the wave because the consequences can be risky in loosing perspective. To be aimlessly drifting in the era of globalization will weaken nationalism and patriotism, while extreme, fanatical devotion to nationalism will lead to the development of a chauvinistic attitude which is resistant to change even though the evolution is expected to lead to perfection on an individual society basis.

From the economic perspective, globalization confronts and offers a chance to maximize benefits. In this era, the general nature and economic outlook will be transparent and possibly widens the scale. In principle, the economic viewpoint cannot be regulated within single and limited geographical and political boundaries as it has been occurred in the past and today. In order to obtain economic benefits from the globalization, the nation must enhance its competitive ability.

C. Trends and Issues

In the industrial process, the social structure ruled by traditional and informal economic activities will continually change and develop in the form of expanding industrial and modern sectors. When the national economy is governed by the dominant industrial sectors, then the social structure of the society ought to be considered as modern, and as having the industrial economic features.

Education is a driving force for an acceleration of the transformation in the structures of economy and labor force. Table 1.1 shows the structure employment changed, which explains more employments work in constructions, trades, financials and other sectors compared to those who work in the agriculture sector.

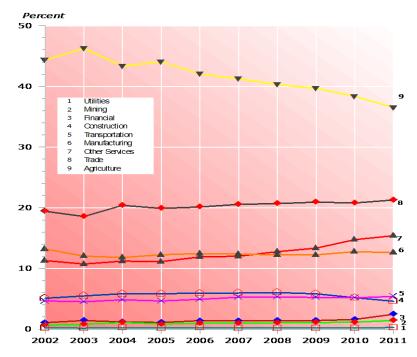
Table 1.1 Employment Structural Change Year 2002-2011 (In percent)

| No. | Industrial Sectors | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|-----|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1. | Agriculture | 44,34 | 46,26 | 43,34 | 44,04 | 42,05 | 41,24 | 40,30 | 39,68 | 38,35 | 36,53 |
| 2. | Mining | 0,69 | 0,80 | 1,10 | 0,85 | 0,97 | 1,00 | 1,04 | 1,10 | 1,16 | 1,44 |
| 3. | Manufacturing | 13,21 | 12,04 | 11,81 | 12,27 | 12,46 | 12,38 | 12,24 | 12,24 | 12,78 | 12,60 |
| 4. | Utilities | 0,20 | 0,17 | 0,25 | 0,20 | 0,24 | 0,18 | 0,20 | 0,21 | 0,22 | 0,26 |
| 5. | Construction | 4,66 | 4,52 | 4,84 | 4,65 | 4,92 | 5,26 | 5,30 | 5,23 | 5,17 | 5,41 |
| 6. | Trade | 19,42 | 18,56 | 20,40 | 19,90 | 20,13 | 20,57 | 20,69 | 20,93 | 20,79 | 21,29 |
| 7. | Transportation | 5,10 | 5,48 | 5,85 | 5,85 | 5,93 | 5,96 | 6,03 | 5,83 | 5,19 | 4,60 |
| 8. | Financial | 1,08 | 1,43 | 1,20 | 1,10 | 1,41 | 1,40 | 1,42 | 1,42 | 1,61 | 2,46 |
| 9. | Other Services | 11,30 | 10,74 | 11,21 | 11,14 | 11,90 | 12,03 | 12,77 | 13,35 | 14,75 | 15,40 |
| | Total | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 |

Source: Labor Force Situation In Indonesia August 2011, Central Board of Statistics

Having expanded and equalized the opportunity of education, it is anticipated that more workers with higher skills will dominate the structure of labor force in the coming decade. At this point in time, the transformation of the Indonesian economy will begin to emerge, in real terms, towards achieving a more expanded industrial structure. The change in the structure of labor force will occur even faster when the education system has better quality and thereby is relevant to the needs of development (Graph 1.1).

Graph 1.1 Employment Structural Change Year 2002-2011



Human resources development is considered to be significant for the enhancement of productivity in any production system due to man as labor conventionally is thought over as one of the production factors beside capital, engine, land, and other forms of natural resources. In Indonesian national development, it is best to regard a man or woman as a more qualitative human concept. Man is more than just a labor which not only supports a traditional production system, instead an essential element of productivity as well, in which capital, technology and other production factors are regarded as supportive to human resources in managing a productive system.

As long as this concept concerned, a human being is to be considered as the strongest resource outside the conventional production factors that is capable of activating the whole production system and thereby improving productivity.

In order to make Indonesian people excellence in science and technology and to control higher national productivity, the following factors are considered to have impacts on the development of human resources.

Firstly, there is a need to equalize distribution of activities and benefits from the national development movement. In other words, sustaining development can only be achieved if the positive impact of development is distributed widely, fairly, and equally. Changes to the rule of sector contribution to GNP cannot guarantee that the process of structural transformation has occurred in the Indonesian economy.

Structural change can happen only if the transformation of labor force and employment to modern industrial sectors has taken place extensively. In other words, the labor force has actively and widely participated in a large productive economic enterprise. Accordingly, equity and expansion of business opportunity are to be matured, either through an equitable educational opportunity, an enhancement in more equal and extensive educational relevancy, and a creation of encouraging business environment, as well as issues on business opportunities by emphasizing the international, national, local production and market.

Secondly, there is a need to encourage the rapid growth of non-agricultural employment in various remunerative sectors so as to encourage expansion of industry in all sectors of the economy. This issue may be boosted by both economic and non-economic factors. Economic leverage such as capital investment, use of technology, availability of raw materials, and extended market, is certainly immense and will continue to grow in the future. Whereas, the non-economic factors are the human being himself or herself as a labor force component who possesses knowledge, skills, and expertise or as a successful entrepreneur who can stimulate expanded investment.

Thirdly, there is a need to develop and utilize concurrently the national-based technology which is likely to be the driving force for investment and the expansion of modern employment. Efficient use of standardized methods and models taken from research results of other countries is certainly needed since the principles of technology transfer are involved in the initial phase of technology development strategy in Indonesia. However, it needs emphasizing that the transfer of technology should not take a long period of time. As part of the capital investment policy in various economic sectors, research and development on, for example, new products, production design and process, and derived market expansion which includes new business opportunities must be intensified.

Table 1.2, 1.2A and 1.2B show the trend of Indonesian population Year 2002 – 2011. Indonesia is the fourth most populous country after the People's Republic of China, India, and the United States of America. According to population census of 2010, Indonesia had 237.64million citizens. The annual population growth in the period of 2000 to 2010 was 1.81 percent. The population growth has increased compared to

the decade of 1990-2000 during which it was 1.47 percent. In 2011, the population projected at 238.54 million (based on the survei of inter-population census 2005). The annual population growth in the period of 2005 to 2011 was 1.39 percent. The increase of population growth is mainly due to implementation of family planning after the program is decentralized to district dovernment.

Table 1.2 Number of Population by Single Age Year 2002-2011 (In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 year | 3,933.5 | 4,094.0 | 4,254.8 | 4,417.2 | 4.353,8 | 4.292,6 | 4.172,1 | 4.172,1 | 4.398,4 | 4.405,0 |
| 1 year | 3,991.5 | 4,055.8 | 4,119.4 | 4,183.6 | 4.177,2 | 4.171,5 | 4.161,3 | 4.161,3 | 4.455,1 | 4.298,0 |
| 2 year | 4,045.1 | 4,037.9 | 4,029.3 | 4,020.2 | 4.051,5 | 4.083,2 | 4.145,7 | 4.145,7 | 4.562,0 | 4.217,1 |
| 3 year | 4,093.3 | 4,036.7 | 3,977.9 | 3,918.1 | 3.971,0 | 4.023,0 | 4.125,9 | 4.125,9 | 4.644,1 | 4.369,0 |
| 4 year | 4,136.6 | 4.049.5 | 3,960.4 | 3,869.2 | 3.929,4 | 3.988,2 | 4.104,7 | 4.104,7 | 4.619,1 | 4.323,0 |
| 5 year | 4,175.5 | 4,074.7 | 3,970.9 | 3,865.1 | 3.921,1 | 3.975,1 | 4.082,5 | 4.082,5 | 4.497,5 | 4.289,0 |
| 6 year | 4,209.4 | 4,108.1 | 4,004.3 | 3,897.9 | 3.940,3 | 3.981,2 | 4.061,7 | 4.061,7 | 4.628,5 | 4.259,0 |
| 7 year | 4,238.1 | 4,147.4 | 4,054.1 | 3,958.7 | 3.980,8 | 4.002,2 | 4.043,2 | 4.043,2 | 4.741,6 | 4.499,1 |
| 8 year | 4,262.0 | 4,190.0 | 4,116.0 | 4,039.3 | 4.037,5 | 4.034,7 | 4.028,2 | 4.028,2 | 4.508,5 | 4.464,1 |
| 9 year | 4,280.5 | 4,233.0 | 4,183.7 | 4,131.7 | 4.104,1 | 4.076,0 | 4.018,7 | 4.018,7 | 4.877,3 | 4.426,1 |
| 10 year | 4,295.2 | 4,278.9 | 4,260.9 | 4,241.6 | 4.183,4 | 4.125,3 | 4.008,9 | 4.008,9 | 4.999,0 | 4.390,1 |
| 11 year | 4,305.0 | 4,329.1 | 4,351.6 | 4,373.2 | 4.278,2 | 4.183,1 | 3.993,5 | 3.993,5 | 4.246,4 | 4.366,1 |
| 12 year | 4,308.9 | 4,357.4 | 4,404.5 | 4,450.7 | 4.339,3 | 4.229,2 | 4.008,8 | | 4.432,0 | 4.363,0 |
| 13 year | 4,306.1 | 4,350.8 | 4,394.9 | 4,437.7 | 4.345,0 | 4.253,4 | 4.070,6 | 4.070,6 | 4.488,3 | 4.176,2 |
| 14 year | 4,297.7 | 4,321.6 | 4,344.8 | 4,367.4 | 4.313,8 | 4.262,0 | 4.158,8 | 4.158,8 | 4.505,3 | 4.221,2 |
| 15 year | 4,285.1 | 4,292.4 | 4,299.2 | 4,305.1 | 4.288,5 | 4.272,8 | 4.243,0 | 4.243,0 | 4.415,0 | 4.275,3 |
| 16 year | 4,267.6 | 4,257.4 | 4,246.9 | 4,234.2 | 4.258,3 | 4.282,5 | 4.333,6 | 4.333,6 | 4.164,6 | 4.179,2 |
| 17 year | 4,247.9 | 4,229.3 | 4,210.1 | 4,189.3 | 4.237,5 | 4.285,8 | 4.385,2 | 4.385,2 | 4.218,9 | 4.215,2 |
| 18 year | 4,227.3 | 4,216.1 | 4,204.6 | 4,192.3 | 4.236,5 | 4.281,4 | 4.373,4 | 4.373,4 | 4.071,8 | 4.234,2 |
| 19 year | 4,204.5 | 4,210.5 | 4,217.2 | 4,223.2 | 4.247,4 | 4.270,9 | 4.321,4 | | 4.010,4 | 3.973,0 |
| 20 year | 4,177.1 | 4,198.2 | 4,219.9 | 4,241.3 | 4.249,0 | 4.255,9 | 4.273,4 | 4.273,4 | 4.269,3 | 3.973,0 |
| 21 year | 4,146.5 | 4,182.2 | 4,219.0 | 4,257.3 | 4.247,4 | 4.236,3 | 4.217,5 | 4.217,5 | 3.829,2 | 3.975,0 |
| 22 year | 4,110.9 | 4,157.4 | 4,204.5 | 4,252.7 | 4.234,6 | 4.215,6 | 4.180,0 | 4.180,0 | 3.854,1 | 3.972,0 |
| 23 year | 4,068.6 | 4,119.7 | 4,169.1 | 4,215.5 | 4.205,7 | 4.196,2 | 4.178,0 | 4.178,0 | 3.895,1 | 3.965,1 |
| 24 year | 4,021.5 | 4,072.5 | 4,118.5 | 4,157.2 | 4.165,2 | 4.176,0 | 4.196,3 | 4.196,3 | 4.043,9 | 4.220,0 |
| 25 year | 3,971.3 | 4,023.4 | 4,067.9 | 4,099.7 | 4.122,7 | 4.151,6 | 4.203,7 | 4.203,7 | 4.397,4 | 4.204,5 |
| 26 year | 3,916.9 | 3,970.6 | 4,013.4 | 4,038.4 | 4.075,9 | 4.122,7 | 4.208,9 | 4.208,9 | 4.035,5 | 4.185,2 |
| 27 year | 3,861.0 | 3,915.8 | 3,958.0 | 3,979.8 | 4.029,8 | 4.088,6 | 4.196,0 | 4.196,0 | 4.481,7 | 4.163,5 |
| 28 year | 3,806.0 | 3,861.0 | 3,904.5 | 3,929.5 | 3.986,4 | 4.047,1 | 4.154,9 | 4.154,9 | 4.188,8 | 4.140,0 |
| 29 year | 3,749.3 | 3,805.0 | 3,850.6 | 3,884.0 | 3.943,5 | 3.999,7 | 4.094,2 | 4.094,2 | 4.207,0 | 4.114,2 |
| 30 year | 3,689.0 | 3,745.0 | 3,792.3 | 3,832.5 | 3.896,5 | 3.949,7 | 4.033,8 | 4.033,8 | 4.676,0 | 4.085,1 |
| 31 year | 3,626.9 | 3,682.3 | 3,730.9 | 3,777.7 | 3.846,4 | 3.896,2 | 3.969,4 | 3.969,4 | 3.821,2 | 4.051,3 |
| 32 year | 3,558.3 | 3,614.5 | 3,665.3 | 3,718.3 | 3.789,7 | 3.837,8 | 3.907,2 | 3.907,2 | 3.788,4 | 4.011,5 |
| 33 year | 3,483.2 | 3,541.3 | 3,595.1 | 3,651.3 | 3.723,3 | 3.774,5 | 3.853,2 | 3.853,2 | 3.667,2 | 3.964,9 |
| 34 year | 3,402.3 | 3,464.0 | 3,521.4 | 3,580.0 | 3.650,3 | 3.707,0 | 3.802,4 | 3.802,4 | 3.877,9 | 3.912,2 |
| 35 year | 3,319.7 | 3,384.1 | 3,445.0 | 3,506.4 | 3.575,2 | 3.636,5 | 3.746,7 | 3.746,7 | 4.105,3 | 3.855,6 |
| 36 year | 3,232.7 | 3,300.2 | 3,365.5 | 3,429.8 | 3.496,6 | 3.562,6 | 3.687,8 | | 3.509,2 | 3.795,9 |
| 37 year | 3,147.3 | 3,217.5 | 3,286.5 | 3,353.3 | 3.418,7 | 3.488,1 | 3.624,2 | 3.624,2 | 3.834,7 | 3.732,3 |
| 38 year | 3,065.1 | 3,138.0 | 3,209.1 | 3,277.7 | 3.344,3 | 3.414,6 | 3.554,6 | 3.554,6 | 3.444,4 | 3.665,0 |
| 39 year | 2,983.9 | 3,058.6 | 3,131.5 | 3,202.2 | 3.270,9 | 3.340,8 | 3.479,0 | 3.479,0 | 3.611,5 | 3.594,4 |
| 40 year | 2,899.5 | 2,976.8 | 3,051.1 | 3,123.6 | 3.194,0 | 3.264,2 | 3.401,7 | | 4.154,5 | 3.520,0 |
| 41 year | 2,814.0 | 2,892.9 | 2,968.9 | 3,041.7 | 3.113,7 | 3.184,0 | 3.321,9 | 3.321,9 | 3.344,8 | 3.443,0 |

Table 1.2 (continued)
Number of Population by Single Age
Year 2002-2011
(In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 42 year | 2,721.0 | 2,802.7 | 2,881.0 | 2,956.5 | 3.031,0 | 3.102,2 | 3.241,0 | 3.241,0 | 3.125,7 | 3.365,4 |
| 43 year | 2,616.4 | 2,703.5 | 2,787.0 | 2,866.8 | 2.944,6 | 3.018,7 | 3.161,8 | 3.161,8 | 2.735,5 | 3.287,9 |
| 44 year | 2,504.1 | 2,597.7 | 2,687.9 | 2,773.3 | 2.855,1 | 2.932,2 | 3.081,4 | 3.081,4 | 3.164,5 | 3.209,7 |
| 45 year | 2,393.0 | 2,491.9 | 2,587.7 | 2,678.4 | 2.763,4 | 2.844,0 | 2.997,8 | 2.997,8 | 3.423,3 | 3.129,3 |
| 46 year | 2,281.8 | 2,386.5 | 2,487.8 | 2,583.4 | 2.671,5 | 2.755,0 | 2.912,4 | 2.912,4 | 2.746,0 | 3.045,5 |
| 47 year | 2,170.1 | 2,277.7 | 2,381.8 | 2,480.3 | 2.571,9 | 2.658,3 | 2.821,9 | 2.821,9 | 2.752,9 | 2.958,5 |
| 48 year | 2,059.5 | 2,164.1 | 2,267.7 | 2,367.1 | 2.461,0 | 2.551,7 | 2.724,5 | 2.724,5 | 2.357,7 | 2.867,7 |
| 49 year | 1,949.8 | 2,048.9 | 2,148.9 | 2,247.4 | 2.343,4 | 2.438,3 | 2.622,4 | 2.622,4 | 2.761,1 | 2.773,3 |
| 50 year | 1,842.3 | 1,935.5 | 2,031.4 | 2,128.9 | 2.226,6 | 2.325,4 | 2.519,0 | 2.519,0 | 3.193,3 | 2.677,6 |
| 51 year | 1,736.5 | 1,823.1 | 1,914.7 | 2,011.2 | 2.110,3 | 2.212,4 | 2.416,6 | 2.416,6 | 2.315,6 | 2.579,4 |
| 52 year | 1,637.6 | 1,718.0 | 1,804.7 | 1,897.7 | 1.995,9 | 2.098,8 | 2.307,2 | 2.307,2 | 2.178,8 | 2.475,4 |
| 53 year | 1,549.5 | 1,623.3 | 1,704.2 | 1,791.9 | 1.886,3 | 1.985,6 | 2.190,6 | 2.190,6 | 1.899,4 | 2.364,4 |
| 54 year | 1,469.5 | 1,537.4 | 1,612.1 | 1,692.6 | 1.780,8 | 1.873,9 | 2.070,2 | 2.070,2 | 1.974,3 | 2.248,4 |
| 55 year | 1,392.6 | 1,453.8 | 1,521.5 | 1,596.0 | 1.676,9 | 1.763,8 | 1.950,1 | 1.950,1 | 2.168,8 | 2.130,9 |
| 56 year | 1,318.3 | 1,373.6 | 1,434.3 | 1,501.3 | 1.575,9 | 1.655,5 | 1.831,6 | 1.831,6 | 1.679,2 | 2.014,4 |
| 57 year | 1,252.7 | 1,301.1 | 1,355.0 | 1,414.8 | 1.481,9 | 1.554,8 | 1.719,1 | 1.719,1 | 1.630,6 | 1.899,4 |
| 58 year | 1,197.8 | 1,239.1 | 1,286.1 | 1,337.4 | 1.397,7 | 1.464,3 | 1.616,1 | 1.616,1 | 1.372,1 | 1.786,8 |
| 59 year | 1,150.6 | 1,184.8 | 1,224.9 | 1,268.6 | 1.321,9 | 1.381,9 | 1.521,2 | 1.521,2 | 1.597,9 | 1.677,1 |
| 60 year | 1,105.9 | 1,132.9 | 1,166.9 | 1,202.5 | 1.248,4 | 1.302,3 | 1.428,2 | 1.428,2 | 1.861,5 | 1.569,9 |
| 61 year | 1,063.6 | 1,083.2 | 1,110.3 | 1,138.6 | 1.177,4 | 1.225,1 | 1.338,2 | 1.338,2 | 1.112,8 | 1.465,5 |
| 62 year | 1,022.6 | 1,038.6 | 1,060.7 | 1,084.2 | 1.116,0 | 1.156,7 | 1.255,8 | 1.255,8 | 1.032,9 | 1.365,1 |
| 63 year | 981.3 | 997.0 | 1,018.0 | 1,041.1 | 1.066,9 | 1.099,7 | 1.182,1 | 1.182,1 | 892,3 | 1.269,5 |
| 64 year | 940.1 | 958.1 | 980.5 | 1,006.2 | 1.026,1 | 1.050,3 | 1.116,5 | 1.116,5 | 1.159,3 | 1.179,2 |
| 65 year | 898.6 | 918.8 | 941.8 | 970.4 | 985,3 | 1.002,4 | 1.054,6 | 1.054,6 | 1.281,9 | 1.094,7 |
| 66 year | 856.9 | 878.6 | 902.7 | 934.0 | 945,0 | 956,3 | 996,1 | 996,1 | 729,4 | 1.016,4 |
| 67 year | 813.0 | 836.7 | 861.8 | 895.8 | 904,5 | 912,0 | 942,4 | 942,4 | 965,8 | 944,8 |
| 68 year | 766.7 | 791.8 | 818.6 | 855.1 | 863,2 | 868,4 | 892,0 | 892,0 | 781,3 | 880,7 |
| 69 year | 716.9 | 742.6 | 771.1 | 810.3 | 818,5 | 824,4 | 845,5 | 845,5 | 935,7 | 824,4 |
| 70 year | 663.2 | 688.6 | 718.4 | 759.6 | 770,5 | 779,5 | 802,1 | 802,1 | 1.272,1 | 776,8 |
| 71 year | 605.2 | 629.0 | 659.2 | 701.0 | | 732,3 | 761,5 | 761,5 | 609,0 | 738,6 |
| 72 year | 541.3 | 562.3 | 592.8 | 634.2 | 657,0 | 681,8 | 723,1 | 723,1 | 567,0 | 710,3 |
| 73 year | 471.5 | 487.4 | 517.3 | 556.3 | 588,3 | 627,5 | 686,6 | 686,6 | 474,9 | 692,6 |
| 74 year | 394.9 | 403.2 | 431.5 | 466.3 | 510,5 | 567,8 | 652,0 | 652,0 | 533,4 | 686,1 |
| >74year | 3,191.0 | 3,249.1 | 3,312.8 | 3,384.7 | 3.470,9 | 3.618,9 | 3.788,9 | 3.788,9 | 3.834,6 | 4.062,4 |
| Total | 211,438.9 | 214,251.4 | 217,076.8 | 219,898.3 | 222.735,7 | 225.642,0 | 231.296,5 | 231.296,5 | 237.641,3 | 238.254,7 |

Table 1.2A Number of Female Population by Single Age Year 2002-2011 (In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 year | 1,924.6 | 2,005.1 | 2,086.1 | 2,166.3 | 2.135,2 | 2.104,6 | 2.157,0 | 2.044,5 | 2.260,0 | 2.384,0 |
| 1 year | 1,957.6 | 1,989.4 | 2,021.0 | 2,052.0 | 2.048,5 | 2.045,5 | 2.123,4 | 2.039,8 | 2.288,8 | 2.312,0 |
| 2 year | 1,987.6 | 1,983.5 | 1,977.9 | 1,972.4 | 1.987,4 | 2.002,6 | 2.096,7 | 2.033,0 | 2.344,7 | 2.256,1 |
| 3 year | 2,013.1 | 1,984.2 | 1,953.7 | 1,923.0 | 1.948,6 | 1.973,5 | 2.076,1 | 2.023,5 | 2.389,3 | 2.143,3 |
| 4 year | 2,035.2 | 1,990.8 | 1,945.8 | 1,900.0 | 1.928,8 | 1.957,3 | 2.061,0 | 2.013,9 | 2.379,7 | 2.119,8 |
| 5 year | 2,054.2 | 2,003.8 | 1,951.6 | 1,898.6 | 1.925,6 | 1.951,4 | 2.051,5 | 2.003,9 | 2.317,4 | 2.102,2 |
| 6 year | 2,070.5 | 2,020.1 | 1,968.5 | 1,915.2 | 1.936,0 | 1.955,2 | 2.046,9 | 1.994,4 | 2.380,7 | 2.086,8 |
| 7 year | 2,083.5 | 2,039.2 | 1,992.8 | 1,946.1 | 1.956,3 | 1.966,2 | 2.046,8 | 1.985,8 | 2.443,9 | 2.205,3 |
| 8 year | 2,094.1 | 2,059.7 | 2,023.6 | 1,986.3 | 1.985,0 | 1.982,9 | 2.050,5 | 1.979,4 | 2.321,0 | 2.189,4 |
| 9 year | 2,102.1 | 2,079.8 | 2,056.9 | 2,032.4 | 2.018,2 | 2.003,9 | 2.057,8 | 1.974,9 | 2.511,0 | 2.172,9 |
| 10 year | 2,108.4 | 2,102.0 | 2,094.9 | 2,087.1 | 2.058,2 | 2.029,0 | 2.067,2 | 1.971,3 | 2.578,6 | 2.158,0 |
| 11 year | 2,112.3 | 2,126.6 | 2,139.9 | 2,153.1 | 2.106,0 | 2.058,4 | 2.076,7 | 1.963,9 | 2.192,3 | 2.148,6 |
| 12 year | 2,114.4 | 2,141.0 | 2,166.0 | 2,191.3 | 2.135,9 | 2.081,4 | 2.091,8 | 1.972,1 | 2.282,2 | 2.150,2 |
| 13 year | 2,115.1 | 2,137.8 | 2,160.7 | 2,182.6 | 2.137,4 | 2.092,3 | 2.114,3 | 2.002,5 | 2.302,0 | 2.054,8 |
| 14 year | 2,114.1 | 2,124.3 | 2,134.7 | 2,144.5 | 2.119,0 | 2.095,0 | 2.140,0 | 2.045,8 | 2.307,3 | 2.077,3 |
| 15 year | 2,111.7 | 2,111.9 | 2,111.4 | 2,111.3 | 2.104,8 | 2.099,1 | 2.164,6 | 2.087,4 | 2.262,3 | 2.104,4 |
| 16 year | 2,106.5 | 2,095.8 | 2,085.6 | 2,073.5 | 2.088,5 | 2.102,7 | 2.190,3 | 2.132,7 | 2.121,7 | 2.058,4 |
| 17 year | 2,102.8 | 2,086.3 | 2,069.7 | 2,052.2 | 2.078,5 | 2.104,8 | 2.204,1 | 2.158,4 | 2.149,9 | 2.076,5 |
| 18 year | 2,102.9 | 2,088.6 | 2,073.6 | 2,058.7 | 2.081,5 | 2.104,7 | 2.199,1 | 2.151,6 | 2.065,2 | 2.085,3 |
| 19 year | 2,104.5 | 2,096.6 | 2,089.5 | 2,081.7 | 2.092,9 | 2.103,1 | 2.181,4 | 2.125,4 | 2.015,3 | 1.951,3 |
| 20 year | 2,102.9 | 2,101.4 | 2,100.0 | 2,098.7 | 2.099,4 | 2.099,6 | 2.163,5 | 2.102,0 | 2.128,4 | 1.951,3 |
| 21 year | 2,100.2 | 2,103.5 | 2,108.5 | 2,114.4 | 2.104,2 | 2.093,8 | 2.142,2 | 2.074,1 | 1.901,5 | 1.952,4 |
| 22 year | 2,092.5 | 2,101.5 | 2,111.3 | 2,122.1 | 2.106,1 | 2.089,9 | 2.123,2 | 2.058,2 | 1.918,5 | 1.952,7 |
| 23 year | 2,078.0 | 2,092.4 | 2,105.7 | 2,117.4 | 2.103,6 | 2.090,1 | 2.110,5 | 2.063,3 | 1.934,5 | 1.952,6 |
| 24 year | 2,059.2 | 2,077.6 | 2,092.9 | 2,104.5 | 2.097,6 | 2.091,8 | 2.101,1 | 2.080,6 | 2.004,8 | 2.083,9 |
| 25 year | 2,038.4 | 2,061.6 | 2,080.1 | 2,091.0 | 2.089,9 | 2.091,5 | 2.087,9 | 2.092,2 | 2.194,9 | 2.080,7 |
| 26 year | 2,015.2 | 2,043.5 | 2,064.7 | 2,076.6 | 2.080,0 | 2.088,4 | 2.073,9 | 2.102,0 | 1.999,5 | 2.076,2 |
| 27 year | 1,987.9 | 2,020.2 | 2,044.5 | 2,056.7 | 2.067,1 | 2.081,2 | 2.052,3 | 2.105,6 | 2.231,9 | 2.072,8 |
| 28 year | 1,955.9 | 1,990.5 | 2,017.2 | 2,033.5 | 2.050,4 | 2.068,6 | 2.020,4 | 2.098,2 | 2.093,6 | 2.071,4 |
| 29 year | 1,920.4 | 1,956.0 | 1,985.1 | 2,006.5 | 2.029,8 | 2.051,0 | 1.981,8 | 2.082,4 | 2.111,5 | 2.070,8 |
| 30 year | 1,882.5 | 1,919.4 | 1,950.3 | 1,976.8 | 2.007,7 | 2.032,3 | 1.942,9 | 2.066,3 | 2.373,2 | 2.069,0 |
| 31 year | 1,843.0 | 1,880.5 | 1,913.4 | 1,944.5 | 1.983,1 | 2.011,1 | 1.902,6 | 2.048,7 | 1.917,8 | 2.063,6 |
| 32 year | 1,800.9 | 1,838.8 | 1,873.6 | 1,908.6 | 1.952,5 | 1.983,1 | 1.867,4 | 2.025,5 | 1.895,1 | 2.053,1 |
| 33 year | 1,757.6 | 1,795.2 | 1,830.6 | 1,866.3 | 1.912,0 | 1.945,8 | 1.841,2 | 1.997,7 | 1.832,2 | 2.036,1 |
| 34 year | 1,713.0 | 1,750.1 | 1,785.4 | 1,822.0 | 1.865,8 | 1.902,7 | 1.820,4 | 1.964,9 | 1.931,0 | 2.013,3 |
| 35 year | 1,666.9 | 1,703.3 | 1,737.9 | 1,775.5 | 1.817,8 | 1.857,3 | 1.797,7 | 1.930,4 | 2.059,6 | 1.988,1 |
| 36 year | 1,618.0 | 1,652.9 | 1,688.7 | 1,725.9 | 1.767,0 | | 1.773,8 | 1.892,8 | 1.758,3 | 1.960,5 |
| 37 year | 1,570.8 | 1,605.6 | 1,641.4 | 1,679.3 | 1.719,0 | 1.763,6 | 1.748,5 | 1.853,1 | 1.935,6 | 1.927,3 |
| 38 year | 1,525.5 | 1,562.5 | 1,599.8 | 1,638.4 | 1.677,9 | 1.721,2 | 1.719,8 | 1.811,0 | 1.744,4 | 1.887,8 |
| 39 year | 1,480.9 | 1,521.1 | 1,560.9 | 1,600.7 | 1.640,4 | 1.681,8 | 1.687,4 | 1.765,4 | 1.839,5 | 1.843,4 |
| 40 year | 1,435.1 | 1,478.6 | 1,520.2 | 1,560.4 | 1.600,7 | 1.639,9 | 1.655,0 | 1.718,2 | 2.112,4 | 1.795,3 |
| 41 year | 1,390.1 | 1,435.8 | 1,478.8 | 1,519.7 | 1.559,2 | 1.596,0 | 1.621,6 | 1.668,8 | 1.701,0 | 1.746,4 |

Table 1.2A (continued)
Number of Female Population by Single Age
Year 2002-2011
(In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 42 year | 1,339.3 | 1,387.8 | 1,432.8 | 1,475.2 | 1.515,2 | 1.551,5 | 1.586,2 | 1.621,6 | 1.574,7 | 1.699,4 |
| 43 year | 1,281.5 | 1,332.9 | 1,380.7 | 1,425.3 | 1.467,2 | 1.505,5 | 1.548,2 | 1.579,3 | 1.363,3 | 1.656,0 |
| 44 year | 1,218.9 | 1,272.6 | 1,323.7 | 1,371.6 | 1.416,9 | 1.458,7 | 1.508,5 | 1.538,7 | 1.571,4 | 1.614,8 |
| 45 year | 1,157.5 | 1,213.5 | 1,267.2 | 1,318.5 | 1.366,0 | 1.411,3 | 1.467,3 | 1.496,8 | 1.694,8 | 1.573,1 |
| 46 year | 1,096.3 | 1,154.7 | 1,211.5 | 1,265.0 | 1.315,9 | 1.363,7 | 1.424,3 | 1.454,4 | 1.380,8 | 1.528,9 |
| 47 year | 1,037.6 | 1,096.2 | 1,153.8 | 1,209.1 | 1.261,5 | 1.312,4 | 1.380,1 | 1.407,5 | 1.388,1 | 1.482,7 |
| 48 year | 982.7 | 1,038.2 | 1,093.4 | 1,148.0 | 1.201,2 | 1.253,7 | 1.334,3 | 1.354,2 | 1.190,4 | 1.433,8 |
| 49 year | 930.7 | 981.0 | 1,033.0 | 1,085.2 | 1.137,9 | 1.191,3 | 1.287,0 | 1.296,2 | 1.378,7 | 1.382,6 |
| 50 year | 879.9 | 925,0 | 973.2 | 1,022.9 | 1.075,4 | 1.129,5 | 1.238,7 | 1.238,8 | 1.592,4 | 1.331,2 |
| 51 year | 830.3 | 870.0 | 913.6 | 961.6 | 1.013,2 | 1.068,4 | 1.189,9 | 1.182,2 | 1.187,8 | 1.279,0 |
| 52 year | 785.5 | 819.9 | 859.6 | 904.4 | 954,1 | 1.008,9 | 1.137,7 | 1.123,2 | 1.121,8 | 1.223,7 |
| 53 year | 745.3 | 777.1 | 813.6 | 855.6 | 901,9 | 953,1 | 1.080,8 | 1.062,5 | 969,2 | 1.164,6 |
| 54 year | 710.2 | 739.8 | 773.6 | 811.6 | 854,2 | 901,0 | 1.020,9 | 1.001,9 | 994,8 | 1.103,0 |
| 55 year | 676.7 | 703.9 | 734.9 | 769.0 | 807,5 | 849,1 | 961,8 | 941,1 | 1.103,4 | 1.040,6 |
| 56 year | 645.1 | 670.4 | 698.0 | 728.9 | 762,6 | 798,6 | 903,1 | 881,2 | 886,5 | 979,7 |
| 57 year | 617.5 | 640.2 | 664.7 | 691.2 | 721,3 | 753,0 | 846,5 | 826,8 | 865,8 | 921,5 |
| 58 year | 594.2 | 613.3 | 634.4 | 657.2 | 683,6 | 711,8 | 793,7 | 779,5 | 731,9 | 867,1 |
| 59 year | 574.5 | 589.9 | 606.9 | 626.5 | 649,3 | 675,8 | 743,1 | 738,6 | 812,8 | 816,2 |
| 60 year | 556.0 | 567.4 | 581.7 | 597.1 | 617,5 | 641,7 | 693,6 | 698,5 | 897,3 | 767,2 |
| 61 year | 538.4 | 545.9 | 556.7 | 568.9 | 586,0 | 608,5 | 645,4 | 660,5 | 555,3 | 719,6 |
| 62 year | 521.6 | 527.4 | 535.7 | 545.9 | 560,0 | 579,2 | 602,4 | 625,6 | 504,9 | 674,5 |
| 63 year | 504.2 | 510.1 | 517.9 | 527.7 | 539,3 | 554,9 | 565,6 | 592,9 | 424,7 | 632,2 |
| 64 year | 486.3 | 493.8 | 503.2 | 514.2 | 522,4 | 533,8 | 533,3 | 563,2 | 545,0 | 592,7 |
| 65 year | 468.0 | 477.1 | 487.1 | 499.2 | 505,4 | 513,0 | 502,1 | 536,0 | 575,8 | 556,0 |
| 66 year | 449.1 | 459.4 | 470.3 | 484.4 | 488,7 | 493,2 | 473,0 | 509,7 | 355,6 | 522,1 |
| 67 year | 428.8 | 441.0 | 452.6 | 467.6 | 471,4 | 473,7 | 445,7 | 486,3 | 479,4 | 491,0 |
| 68 year | 406.6 | 419.6 | 433.0 | 449.4 | 452,8 | 454,5 | 419,6 | 464,0 | 384,8 | 463,0 |
| 69 year | 381.7 | 395.6 | 410.7 | 428.8 | 432,2 | 434,4 | 395,3 | 442,8 | 429,4 | 438,0 |
| 70 year | 354.7 | 368.8 | 384.5 | 404.7 | 410,2 | 414,6 | 371,5 | 423,8 | 546,6 | 416,3 |
| 71 year | 324.4 | 338.8 | 354.9 | 375.7 | 384,5 | 391,9 | 348,2 | 405,7 | 284,3 | 398,1 |
| 72 year | 291.1 | 304.0 | 321.2 | 342.7 | 355,5 | 367,9 | 325,3 | 388,7 | 259,1 | 383,4 |
| 73 year | 253.7 | 264.3 | 281.8 | 303.5 | 321,0 | 341,7 | 302,3 | 371,9 | 214,2 | 372,5 |
| 74 year | 212.3 | 219.4 | 236.0 | 257.1 | 282,0 | 312,7 | 278,8 | 356,3 | 227,2 | 365,4 |
| >74 year | 1,775.1 | 1,806.1 | 1,841.8 | 1,883.5 | 1.939,5 | 1.909,5 | 1.610,8 | 2.133,9 | 1.606,3 | 2.309,6 |
| Total | 105,506.0 | 106,920.9 | 108,334.8 | 109,741.9 | 111.176,8 | 112.526,5 | 114.397,3 | 115.489,9 | 119.630,9 | 173.330,4 |

Table 1.2B Number of Male Population by Single Age Year 2002-2011 (In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 year | 2.008,9 | 2.088,9 | 2.168,7 | 2.250,9 | 2.218,6 | 2.188,0 | 2.074,7 | 2.127,6 | 2.138,4 | 2.021,0 |
| 1 year | 2.033,9 | 2.066,4 | 2.098,4 | 2.131,6 | 2.128,7 | 2.126,0 | 2.042,7 | 2.121,5 | 2.166,3 | 1.986,0 |
| 2 year | 2.057,5 | 2.054,4 | 2.051,4 | 2.047,8 | 2.064,1 | 2.080,6 | 2.017,3 | 2.112,7 | 2.217,4 | 1.961,0 |
| 3 year | 2.080,2 | 2.052,5 | 2.024,2 | 1.995,1 | 2.022,4 | 2.049,5 | 1.998,6 | 2.102,4 | 2.254,8 | 2.225,7 |
| 4 year | 2.101,4 | 2.058,7 | 2.014,6 | 1.969,2 | 2.000,6 | 2.030,9 | 1.986,0 | 2.090,8 | 2.239,4 | 2.203,2 |
| 5 year | 2.121,3 | 2.070,9 | 2.019,3 | 1.966,5 | 1.995,5 | 2.023,7 | 1.977,9 | 2.078,6 | 2.180,1 | 2.186,8 |
| 6 year | 2.138,9 | 2.088,0 | 2.035,8 | 1.982,7 | 2.004,3 | 2.026,0 | 1.975,0 | 2.067,3 | 2.247,8 | 2.172,2 |
| 7 year | 2.154,6 | 2.108,2 | 2.061,3 | 2.012,6 | 2.024,5 | 2.036,0 | 1.975,7 | 2.057,4 | 2.297,7 | 2.293,8 |
| 8 year | 2.167,9 | 2.130,3 | 2.092,4 | 2.053,0 | 2.052,5 | 2.051,8 | 1.981,3 | 2.048,8 | 2.187,5 | 2.274,7 |
| 9 year | 2.178,4 | 2.153,2 | 2.126,8 | 2.099,3 | 2.085,9 | 2.072,1 | 1.989,6 | 2.043,8 | 2.366,3 | 2.253,2 |
| 10 year | 2.186,8 | 2.176,9 | 2.166,0 | 2.154,5 | 2.125,2 | 2.096,3 | 1.999,9 | 2.037,6 | 2.420,4 | 2.232,1 |
| 11 year | 2.192,7 | 2.202,5 | 2.211,7 | 2.220,1 | 2.172,2 | 2.124,7 | 2.011,5 | 2.029,6 | 2.054,1 | 2.217,5 |
| 12 year | 2.194,5 | 2.216,4 | 2.238,5 | 2.259,4 | 2.203,4 | 2.147,8 | 2.027,2 | 2.036,7 | 2.149,9 | 2.212,8 |
| 13 year | 2.191,0 | 2.213,0 | 2.234,2 | 2.255,1 | 2.207,6 | 2.161,1 | 2.047,3 | 2.068,1 | 2.186,3 | 2.121,4 |
| 14 year | 2.183,6 | 2.197,3 | 2.210,1 | 2.222,9 | 2.194,8 | 2.167,0 | 2.070,3 | 2.113,0 | 2.197,9 | 2.143,9 |
| 15 year | 2.173,4 | 2.180,5 | 2.187,8 | 2.193,8 | 2.183,7 | 2.173,7 | 2.092,9 | 2.155,6 | 2.152,7 | 2.170,9 |
| 16 year | 2.161,1 | 2.161,6 | 2.161,3 | 2.160,7 | 2.169,8 | 2.179,8 | 2.118,3 | 2.200,9 | 2.042,9 | 2.120,8 |
| 17 year | 2.145,1 | 2.143,0 | 2.140,4 | 2.137,1 | 2.159,0 | 2.181,0 | 2.131,7 | 2.226,8 | 2.069,0 | 2.138,7 |
| 18 year | 2.124,4 | 2.127,5 | 2.131,0 | 2.133,6 | 2.155,0 | 2.176,7 | 2.128,5 | 2.221,8 | 2.006,6 | 2.148,9 |
| 19 year | 2.100,0 | 2.113,9 | 2.127,7 | 2.141,5 | 2.154,5 | 2.167,8 | 2.114,4 | 2.196,0 | 1.995,2 | 2.021,7 |
| 20 year | 2.074,2 | 2.096,8 | 2.119,9 | 2.142,6 | 2.149,6 | 2.156,3 | 2.100,7 | 2.171,4 | 2.140,9 | 2.021,7 |
| 21 year | 2.046,3 | 2.078,7 | 2.110,5 | 2.142,9 | 2.143,2 | 2.142,5 | 2.083,4 | 2.143,4 | 1.927,7 | 2.022,6 |
| 22 year | 2.018,4 | 2.055,9 | 2.093,2 | 2.130,6 | 2.128,5 | 2.125,7 | 2.074,2 | 2.121,8 | 1.935,6 | 2.019,3 |
| 23 year | 1.990,6 | 2.027,3 | 2.063,4 | 2.098,1 | 2.102,1 | 2.106,1 | 2.076,6 | 2.114,7 | 1.960,6 | 2.012,5 |
| 24 year | 1.962,3 | 1.994,9 | 2.025,6 | 2.052,7 | 2.067,6 | 2.084,2 | 2.086,7 | 2.115,7 | 2.039,1 | 2.136,1 |
| 25 year | 1.932,9 | 1.961,8 | 1.987,8 | 2.008,7 | 2.032,8 | 2.060,1 | 2.092,5 | 2.111,5 | 2.202,5 | 2.123,8 |
| 26 year | 1.901,7 | 1.927,1 | 1.948,7 | 1.961,8 | 1.995,9 | 2.034,3 | 2.096,5 | 2.106,9 | 2.036,0 | 2.109,0 |
| 27 year | 1.873,1 | 1.895,6 | 1.913,5 | 1.923,1 | 1.962,7 | 2.007,4 | 2.095,1 | 2.090,4 | 2.249,9 | 2.090,7 |
| 28 year | 1.850,1 | 1.870,5 | 1.887,3 | 1.896,0 | 1.936,0 | 1.978,5 | 2.085,4 | 2.056,7 | 2.095,2 | 2.068,6 |
| 29 year | 1.828,9 | 1.849,0 | 1.865,5 | 1.877,5 | 1.913,7 | 1.948,7 | 2.068,9 | 2.011,8 | 2.095,5 | 2.043,4 |
| 30 year | 1.806,5 | 1.825,6 | 1.842,0 | 1.855,7 | 1.888,8 | 1.917,4 | 2.051,3 | 1.967,5 | 2.302,8 | 2.016,1 |
| 31 year | 1.783,9 | 1.801,8 | 1.817,5 | 1.833,2 | 1.863,3 | 1.885,1 | 2.031,4 | 1.920,7 | 1.903,3 | 1.987,7 |
| 32 year | 1.757,4 | 1.775,7 | 1.791,7 | 1.809,7 | 1.837,2 | 1.854,7 | 2.006,0 | 1.881,7 | 1.893,3 | 1.958,4 |
| 33 year | 1.725,6 | 1.746,1 | 1.764,5 | 1.785,0 | 1.811,3 | 1.828,7 | 1.973,4 | 1.855,5 | 1.835,0 | 1.928,8 |
| 34 year | 1.689,3 | 1.713,9 | 1.736,0 | 1.758,0 | 1.784,5 | 1.804,3 | 1.935,7 | 1.837,5 | 1.946,9 | 1.898,9 |
| 35 year | 1.652,8 | 1.680,8 | 1.707,1 | 1.730,9 | 1.757,4 | 1.779,2 | 1.895,2 | 1.816,3 | 2.045,7 | 1.867,5 |
| 36 year | 1.614,7 | 1.647,3 | 1.676,8 | 1.703,9 | 1.729,6 | 1.752,9 | 1.853,4 | 1.795,0 | 1.750,9 | 1.835,4 |
| 37 year | 1.576,5 | 1.611,9 | 1.645,1 | 1.674,0 | 1.699,7 | 1.724,5 | 1.809,6 | 1.771,1 | 1.899,1 | 1.805,0 |
| 38 year | 1.539,6 | 1.575,5 | 1.609,3 | 1.639,3 | 1.666,4 | 1.693,4 | 1.766,3 | 1.743,6 | 1.700,0 | 1.777,2 |
| 39 year | 1.503,0 | 1.537,5 | 1.570,6 | 1.601,5 | 1.630,5 | 1.659,0 | 1.723,8 | 1.713,6 | 1.772,0 | 1.751,0 |
| 40 year | 1.464,4 | 1.498,3 | 1.531,4 | 1.562,4 | 1.593,6 | 1.624,3 | 1.678,7 | 1.683,5 | 2.042,1 | 1.724,7 |
| 41 year | 1.424,6 | 1.457,6 | 1.489,8 | 1.521,9 | 1.554,7 | 1.588,0 | 1.631,7 | 1.653,1 | 1.643,8 | 1.696,6 |

Table 1.2B (continued)

Number of Male Population by Single Age
Year 2002-2011
(In thousands)

| Age | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011*) |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 42 year | 1.381,7 | 1.414,9 | 1.448,0 | 1.481,1 | 1.515,9 | 1.550,7 | 1.585,4 | 1.619,4 | 1.551,0 | 1.666,0 |
| 43 year | 1.335,3 | 1.370,8 | 1.406,3 | 1.441,5 | 1.477,0 | 1.513,2 | 1.541,9 | 1.582,5 | 1.372,2 | 1.631,9 |
| 44 year | 1.285,5 | 1.325,0 | 1.363,9 | 1.401,9 | 1.438,2 | 1.473,5 | 1.498,8 | 1.542,7 | 1.593,1 | 1.594,9 |
| 45 year | 1.235,1 | 1.278,6 | 1.320,6 | 1.360,2 | 1.397,2 | 1.432,7 | 1.454,6 | 1.501,0 | 1.728,5 | 1.556,2 |
| 46 year | 1.185,2 | 1.232,0 | 1.276,4 | 1.317,8 | 1.355,5 | 1.391,3 | 1.410,2 | 1.458,0 | 1.365,2 | 1.516,6 |
| 47 year | 1.132,7 | 1.181,5 | 1.227,8 | 1.271,5 | 1.310,6 | 1.345,9 | 1.361,5 | 1.414,4 | 1.364,7 | 1.475,8 |
| 48 year | 1.076,6 | 1.126,1 | 1.173,8 | 1.218,8 | 1.260,0 | 1.298,0 | 1.305,3 | 1.370,3 | 1.167,3 | 1.433,9 |
| 49 year | 1.019,1 | 1.068,1 | 1.116,1 | 1.162,3 | 1.205,6 | 1.247,0 | 1.244,6 | 1.326,2 | 1.382,4 | 1.390,7 |
| 50 year | 962,6 | 1.010,5 | 1.058,3 | 1.105,9 | 1.151,5 | 1.195,9 | 1.185,0 | 1.280,2 | 1.600,9 | 1.346,4 |
| 51 year | 906,1 | 953,1 | 1.001,4 | 1.049,4 | 1.097,3 | 1.144,0 | 1.125,4 | 1.234,4 | 1.127,9 | 1.300,4 |
| 52 year | 852,9 | 898,2 | 945,0 | 993,0 | 1.041,5 | 1.089,9 | 1.066,2 | 1.184,0 | 1.056,9 | 1.251,7 |
| 53 year | 804,2 | 846,2 | 890,6 | 937,1 | 984,0 | 1.032,5 | 1.007,3 | 1.128,1 | 930,1 | 1.199,8 |
| 54 year | 759,5 | 797,6 | 838,3 | 881,1 | 926,5 | 972,9 | 950,2 | 1.068,3 | 979,5 | 1.145,4 |
| 55 year | 715,5 | 749,8 | 786,6 | 826,5 | 869,4 | 914,7 | 893,6 | 1.009,0 | 1.065,4 | 1.090,3 |
| 56 year | 673,2 | 703,2 | 735,9 | 772,3 | 813,3 | 856,9 | 838,2 | 950,4 | 792,7 | 1.034,7 |
| 57 year | 635,1 | 661,0 | 690,2 | 722,9 | 760,7 | 801,8 | 787,5 | 892,3 | 764,8 | 977,9 |
| 58 year | 604,0 | 625,6 | 651,6 | 680,2 | 714,3 | 752,5 | 743,5 | 836,6 | 640,2 | 919,7 |
| 59 year | 576,1 | 595,0 | 617,6 | 642,3 | 672,2 | 706,1 | 705,4 | 782,6 | 785,2 | 860,9 |
| 60 year | 549,9 | 565,5 | 585,2 | 605,4 | 630,9 | 660,6 | 668,5 | 729,7 | 964,2 | 802,7 |
| 61 year | 525,2 | 537,3 | 553,6 | 569,7 | 591,4 | 616,6 | 633,4 | 677,7 | 557,5 | 745,9 |
| 62 year | 501,0 | 511,2 | 525,0 | 538,3 | 556,0 | 577,5 | 600,8 | 630,2 | 528,0 | 690,6 |
| 63 year | 477,1 | 486,9 | 500,1 | 513,4 | 527,6 | 544,8 | 572,5 | 589,2 | 467,6 | 637,3 |
| 64 year | 453,8 | 464,3 | 477,3 | 492,0 | 503,7 | 516,5 | 546,3 | 553,3 | 614,3 | 586,5 |
| 65 year | 430,6 | 441,7 | 454,7 | 471,2 | 479,9 | 489,4 | 522,6 | 518,6 | 706,1 | 538,7 |
| 66 year | 407,8 | 419,2 | 432,4 | 449,6 | 456,3 | 463,1 | 499,6 | 486,4 | 373,7 | 494,3 |
| 67 year | 384,2 | 395,7 | 409,2 | 428,2 | 433,1 | 438,3 | 477,9 | 456,1 | 486,4 | 453,8 |
| 68 year | 360,1 | 372,2 | 385,6 | 405,7 | 410,4 | 413,9 | 457,5 | 428,0 | 396,5 | 417,7 |
| 69 year | 335,2 | 347,0 | 360,4 | 381,5 | 386,3 | 390,0 | 438,1 | 402,7 | 506,2 | 386,4 |
| 70 year | 308,5 | 319,8 | 333,9 | 354,9 | 360,3 | 364,9 | 418,8 | 378,3 | 725,4 | 360,5 |
| 71 year | 280,8 | 290,2 | 304,3 | 325,3 | 332,2 | 340,4 | 399,2 | 355,8 | 324,7 | 340,5 |
| 72 year | 250,2 | 258,3 | 271,6 | 291,5 | 301,5 | 313,9 | 379,5 | 334,4 | 307,9 | 326,9 |
| 73 year | 217,8 | 223,1 | 235,5 | 252,8 | 267,3 | 285,8 | 359,9 | 314,7 | 260,7 | 320,1 |
| 74 year | 182,6 | 183,8 | 195,5 | 209,2 | 228,5 | 255,1 | 338,9 | 295,7 | 306,1 | 320,7 |
| >74year | 1.415,9 | 1.443,0 | 1.471,0 | 1.501,2 | 1.531,4 | 1.709,4 | 2.062,2 | 1.655,0 | 2.228,3 | 1.752,8 |
| Total | 105.932,9 | 107.330,5 | 108.742,0 | 110.156,4 | 111.558,9 | 113.077,0 | 114.900,7 | 115.806,6 | 118.010,4 | 162.284,4 |

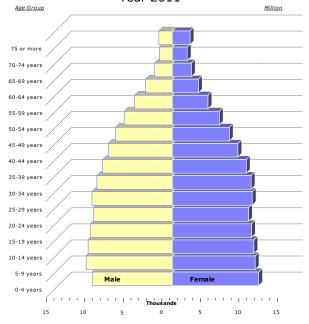
Table 1.3 shows the structure of population, Indonesia expects to experience various fundamental changes. In the coming third millennium, the growth rate of the Indonesian population will increase. In 2011, male population (49.77 percent) is a little bit smaller than female population (50.23 percent). Beside that, male population with age 5-9 years is bigger than that of 10-14 years and 0-4 years is smaller that that of 5-9 years (Graph 1.2).

Table 1.3

Number of Population by Age-Group and Sex
Year 2011
(In thousands)

| Age | Male | % | Female | % | Total |
|-------------|-----------|-------|-----------|-------|-----------|
| 0-4 years | 10.396,9 | 48,11 | 11.215,2 | 51,89 | 21.612,1 |
| 5-9 years | 11.180,7 | 50,97 | 10.756,6 | 49,03 | 21.937,3 |
| 10-14 years | 10.927,7 | 50,79 | 10.588,9 | 49,21 | 21.516,6 |
| 15-19 years | 10.601,0 | 50,78 | 10.275,9 | 49,22 | 20.876,9 |
| 20-24 years | 10.212,2 | 50,79 | 9.892,9 | 49,21 | 20.105,1 |
| 25-29 years | 10.435,5 | 50,15 | 10.371,9 | 49,85 | 20.807,4 |
| 30-34 years | 9.789,9 | 48,89 | 10.235,1 | 51,11 | 20.025,0 |
| 35-39 years | 9.036,1 | 48,47 | 9.607,1 | 51,53 | 18.643,2 |
| 40-44 years | 8.314,1 | 49,41 | 8.511,9 | 50,59 | 16.826,0 |
| 45-49 years | 7.373,2 | 49,91 | 7.401,1 | 50,09 | 14.774,3 |
| 50-54 years | 6.243,7 | 50,58 | 6.101,5 | 49,42 | 12.345,2 |
| 55-59 years | 4.883,5 | 51,36 | 4.625,1 | 48,64 | 9.508,6 |
| 60-64 years | 3.463,0 | 50,56 | 3.386,2 | 49,44 | 6.849,2 |
| 65-69 years | 2.290,9 | 48,12 | 2.470,1 | 51,88 | 4.761,0 |
| 70-74 years | 1.668,7 | 46,30 | 1.935,7 | 53,70 | 3.604,4 |
| 75 or more | 1.752,8 | 43,15 | 2.309,6 | 56,85 | 4.062,4 |
| Total | 118.570,0 | 49,77 | 119.684,8 | 50,23 | 238.254,7 |

Graph 1.2 Pyramid of Population Year 2011



Despite the fact that the population growth rate increases, Table 1.4, 1.4A, and 1.4B show the absolute number of population continually increased from 205,84 million in 2000 to about 238,25 million in 2011. The population continually increased to about 248.18 million in 2015, to about 261.54 in 2020.

Table 1.4 Number of Population by Age-Group Year 2011

| | (In thousands) | | | | | | | | | | | |
|-------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|--|--|--|
| Age | 2000 | 2008 | 2009 | 2010 | 2011 | 2015 | 2020 | | | | | |
| 0-4 years | 20,021.4 | 20.633,5 | 20.709,7 | 22.678,7 | 21.612,1 | 20,989.6 | 20,954.5 | | | | | |
| 5-9 years | 21,946.2 | 20.153,0 | 20.234,3 | 23.253,5 | 21.937,3 | 20,707.7 | 20,922.4 | | | | | |
| 10-14 years | 21,238.0 | 20.646,2 | 20.240,6 | 22.671,1 | 21.516,6 | 20,269.0 | 20,670.1 | | | | | |
| 15-19 years | 21,264.0 | 21.525,3 | 21.656,6 | 20.880,7 | 20.876,9 | 19,785.6 | 20,220.7 | | | | | |
| 20-24 years | 20,092.2 | 21.062,1 | 21.045,2 | 19.891,6 | 20.105,1 | 21,698.8 | 19,707.9 | | | | | |
| 25-29 years | 18,731.8 | 20.654,7 | 20.857,7 | 21.310,4 | 20.807,4 | 20,919.2 | 21,595.0 | | | | | |
| 30-34 years | 16,962.4 | 19.372,3 | 19.566,0 | 19.830,7 | 20.025,0 | 20,862.1 | 20,808.8 | | | | | |
| 35-39 years | 14,991.7 | 17.775,5 | 18.092,3 | 18.505,1 | 18.643,2 | 19,638.1 | 20,724.3 | | | | | |
| 40-44 years | 12,638.9 | 15.856,0 | 16.207,8 | 16.524,9 | 16.826,0 | 18,198.6 | 19,456.3 | | | | | |
| 45-49 years | 9,860.1 | 13.669,2 | 14.079,0 | 14.041,0 | 14.774,3 | 16,290.3 | 17,935.6 | | | | | |
| 50-54 years | 7,506.3 | 11.002,1 | 11.503,6 | 11.561,3 | 12.345,2 | 14,109.3 | 15,910.6 | | | | | |
| 55-59 years | 5,936.8 | 8.216,4 | 8.638,1 | 8.448,6 | 9.508,6 | 11,501.6 | 13,585.8 | | | | | |
| 60-64 years | 5,073.6 | 6.061,8 | 6.320,8 | 6.058,8 | 6.849,2 | 8,497.2 | 10,822.4 | | | | | |
| 65-69 years | 3,822.8 | 4.631,4 | 4.730,6 | 4.694,0 | 4.761,0 | 5,940.2 | 7,704.8 | | | | | |
| 70-74 years | 2,659.9 | 3.522,4 | 3.625,3 | 3.456,3 | 3.604,4 | 4,083.7 | 5,054.1 | | | | | |
| 75 or more | 3,097.4 | 3.673,0 | 3.788,9 | 3.834,6 | 4.062,4 | 4,689.0 | 5,466.3 | | | | | |
| Total | 205,843.6 | 228.454,9 | 231.296,5 | 237.641,3 | 238.254,7 | 248,180.0 | 261,539.6 | | | | | |

Source: Population projection by single age and specific age – Group 2005-2015 Supas 2005-2015 BPS Badan Pusat Statistik/Central Board of Statistics

During the same period, the population growth rate inclines, with a different tendency from the current population growth pattern. The improvement of health services, better nutrition, and education programs will lower the mortality and birth rates, and thus, to occur the demographic transition phenomenon. The transition indicates a shifting pattern from a population growth with a high rate of fertility and mortality to a growth pattern having low rate of fertility and mortality.

The change in the age composition which only requires a period of 25-30 years prompted several adjustments in strategic goals. In the first half of the second long term planning, it must be targeted toward the needs of youth entering productive age, in particular the needs to get proper education and employment.

Table 1.4A
Number of Female Population by Age-Group
Year 2000–2020
(In thousands)

| Age | 2000 | 2008 | 2009 | 2010 | 2011 | 2015 | 2020 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0-4 years | 9,832.7 | 10.514,2 | 10.154,7 | 11.016,3 | 11.215,2 | 10,281.6 | 10,259.1 |
| 5-9 years | 10,788.9 | 10.253,5 | 9.938,4 | 11.279,4 | 10.756,6 | 10,158.0 | 10,255.8 |
| 10-14 years | 10,413.9 | 10.490,0 | 9.955,6 | 11.008,7 | 10.588,9 | 9,958.1 | 10,144.7 |
| 15-19 years | 10,611.7 | 10.939,5 | 10.655,5 | 10.266,4 | 10.275,9 | 9,739.2 | 9,942.8 |
| 20-24 years | 10,333.2 | 10.640,5 | 10.378,2 | 10.003,9 | 9.892,9 | 10,698.4 | 9,716.2 |
| 25-29 years | 9,596.4 | 10.216,3 | 10.480,4 | 10.679,1 | 10.371,9 | 10,297.3 | 10,665.9 |
| 30-34 years | 8,507.0 | 9.374,5 | 10.103,1 | 9.881,3 | 10.235,1 | 10,452.9 | 10,257.9 |
| 35-39 years | 7,454.4 | 8.727,2 | 9.252,7 | 9.167,6 | 9.607,1 | 10,134.3 | 10,397.2 |
| 40-44 years | 6,143.6 | 7.919,5 | 8.126,6 | 8.202,1 | 8.511,9 | 9,354.7 | 10,053.9 |
| 45-49 years | 4,689.9 | 6.893,0 | 7.009,1 | 7.008,2 | 7.401,1 | 8,210.3 | 9,238.8 |
| 50-54 years | 3,625.7 | 5.668,0 | 5.608,6 | 5.695,3 | 6.101,5 | 7,078.1 | 8,051.8 |
| 55-59 years | 2,941.5 | 4.248,2 | 4.167,2 | 4.048,3 | 4.625,1 | 5,685.3 | 6,869.4 |
| 60-64 years | 2,592.1 | 3.040,3 | 3.140,7 | 3.131,6 | 3.386,2 | 4,163.2 | 5,422.5 |
| 65-69 years | 2,012.2 | 2.235,7 | 2.438,8 | 2.468,9 | 2.470,1 | 3,001.6 | 3,849.1 |
| 70-74 years | 1,392.3 | 1.626,1 | 1.946,4 | 1.924,9 | 1.935,7 | 2,151.4 | 2,617.9 |
| 75 or more | 1,728.2 | 1.610,8 | 2.133,9 | 2.228,3 | 2.309,6 | 2,648.5 | 3,062.2 |
| Total | 102,663.7 | 114.397,3 | 115.489,9 | 118.010,4 | 119.684,8 | 124,012.9 | 130,805.2 |

Table 1.4B

Number of Male Population by Age-Group
Year 2000–2020
(In thousands)

| Age | 2000 | 2008 | 2009 | 2010 | 2011 | 2015 | 2020 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0-4 years | 10,188.7 | 10.119,3 | 10.555,0 | 11.662,4 | 10.396,9 | 10,708.0 | 10,695.4 |
| 5-9 years | 11,157.3 | 9.899,5 | 10.295,9 | 11.974,1 | 11.180,7 | 10,549.7 | 10,666.6 |
| 10-14 years | 10,824.1 | 10.156,2 | 10.285,0 | 11.662,4 | 10.927,7 | 10,310.9 | 10,525.4 |
| 15-19 years | 10,652.3 | 10.585,8 | 11.001,1 | 10.614,3 | 10.601,0 | 10,046.4 | 10,277.9 |
| 20-24 years | 9,759.0 | 10.421,6 | 10.667,0 | 9.887,7 | 10.212,2 | 11,000.4 | 9,991.7 |
| 25-29 years | 9,135.4 | 10.438,4 | 10.377,3 | 10.631,3 | 10.435,5 | 10,621.9 | 10,929.1 |
| 30-34 years | 8,455.4 | 9.997,8 | 9.462,9 | 9.949,4 | 9.789,9 | 10,409.2 | 10,550.9 |
| 35-39 years | 7,537.3 | 9.048,3 | 8.839,6 | 9.337,5 | 9.036,1 | 9,503.8 | 10,327.1 |
| 40-44 years | 6,495.3 | 7.936,5 | 8.081,2 | 8.322,7 | 8.314,1 | 8,843.9 | 9,402.4 |
| 45-49 years | 5,170.3 | 6.776,2 | 7.069,9 | 7.032,7 | 7.373,2 | 8,080.0 | 8,696.8 |
| 50-54 years | 3,880.6 | 5.334,1 | 5.895,0 | 5.866,0 | 6.243,7 | 7,031.2 | 7,858.8 |
| 55-59 years | 2,995.3 | 3.968,2 | 4.470,9 | 4.400,3 | 4.883,5 | 5,816.3 | 6,716.4 |
| 60-64 years | 2,481.5 | 3.021,5 | 3.180,1 | 2.927,2 | 3.463,0 | 4,334.0 | 5,399.9 |
| 65-69 years | 1,810.6 | 2.395,7 | 2.291,8 | 2.225,1 | 2.290,9 | 2,938.6 | 3,855.7 |
| 70-74 years | 1,267.6 | 1.896,3 | 1.678,9 | 1.531,5 | 1.668,7 | 1,932.3 | 2,436.2 |
| 75 or more | 1,369.2 | 2.062,2 | 1.655,0 | 1.606,3 | 1.752,8 | 2,040.5 | 2,404.1 |
| Total | 103,179.9 | 114.057,6 | 115.806,6 | 119.630,9 | 118.570,0 | 124,167.1 | 130,734.4 |
| | | | | | | | |

Source: Population projection by single age and specific age – Group 2005-2015 Supas 2005-2015 BPS Badan Pusat Statistik/Central Board of Statistics

Based on the population growth method, the composition of population by age in the early 21st century will shift from young to old age people structure. The structure will show a change from a pyramid form (ruled by young age) to a macrodome form (dominated by middle age).

Table 1.5 shows one of the indicators employed to measure change called dependency ratio. This indicator shows dependency ratio of young age (0-14 years) or old age (65

years above) against productive age group (15-64 years). The number of old age population changes from 9.58 million in 2000 to 12.43 million in 2011. Meanwhile, the dependency ratio of young age increased from 63.20 in 2000 to 62.58 in 2011. It shows that early in the next century, the population by age composition will dominantly shift to young age group. The dependency ratio of old age people (65 years above) against young people (0-14 years) increased continuously from 4.65 in 2000 to 5.22 in 2011 and will increase become 7.34 in 2020.

Table 1.5
Dependency Ratio of Young and Old People
Year 2000–2020

| | Num | ber of Population | n | Depe | ndency Rati | o |
|------|------------|-------------------|------------|-------|-------------|------|
| Year | 0-14 year | 15-64 year | 65 > | Total | Young | Old |
| 2000 | 63.205.600 | 133.057.900 | 9.580.100 | 30,71 | 64,64 | 4,65 |
| 2008 | 61.432.700 | 155.195.400 | 11.826.800 | 26,89 | 67,93 | 5,18 |
| 2009 | 61.184.600 | 157.967.100 | 12.144.800 | 26,45 | 68,30 | 5,25 |
| 2010 | 65.065.999 | 160.760.946 | 12.427.800 | 28,13 | 69,50 | 5,37 |
| 2011 | 62.582.600 | 161.944.200 | 12.427.800 | 26,27 | 67,97 | 5,22 |
| 2015 | 61.966.300 | 171.500.800 | 14.712.900 | 26,01 | 71,98 | 6,18 |
| 2020 | 62.547.000 | 180.767.400 | 18.225.200 | 25,20 | 72,84 | 7,34 |

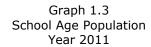
Source: Population projection by single age and specific age – Group 2005-2015 Supas 2005-2015 BPS Badan Pusat Statistik/Central Board of Statistics

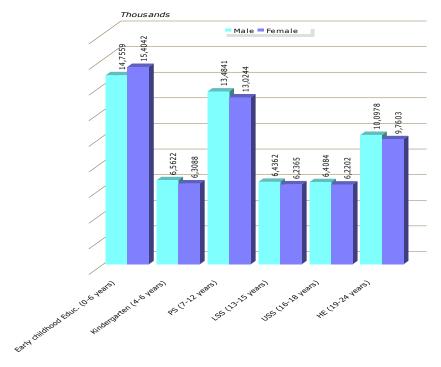
Table 1.6 shows the number of population by school age groups from kindergarten to the higher education, this is 4-23 years old. The number of male population (57.74 million) in 2011 is bigger than that of female population (56.95 million) in all school age groups so that the total male and female population is 114.70 million (Graph 1.3).

Based upon the education age classification in Table 1.7, the composition of school age population also changed. There is tendency that school age for kindergarten (4 to 6 years) goes down (from 2000 was 13.07 million, then it declines to 12.87 million in 2011, and 12.58 million in 2020).

Table 1.6 Number of Population by School-Age Groups Year 2011 (in thousands)

| Level of Education | School Ages | Male | Female | Total |
|---------------------------|-------------|----------|----------|-----------|
| Early childhood Education | 0-6 years | 14.755,9 | 15.404,2 | 30.160,1 |
| Kindergarten | 4-6 years | 6.562,2 | 6.308,8 | 12.871,0 |
| PS | 7-12 years | 13.484,1 | 13.024,4 | 26.508,5 |
| LSS | 13-15 years | 6.436,2 | 6.236,5 | 12.672,7 |
| USS | 16-18 years | 6.408,4 | 6.220,2 | 12.628,6 |
| HE | 19-23 years | 10.097,8 | 9.760,3 | 19.858,1 |
| Total | 0-23 years | 57.744,7 | 56.954,4 | 114.699,1 |
| | | | | |





For primary school age (7 to 12 years), there is a tendency that primary school population growth unstable from 2000 to 2020 however there is a turning point in 2010. Table 1.7 shows a declining trend from 2000 to 2020 (from 2000 was 25,96 million goes down to 24,10 million in 2009 and then it goes up to 24.35 in 2010 and to 26.51 in 2011, then goes down again to 24.63 million in 2015 and goes up again to 24,98 million in 2020).

For lower secondary school age (13 to 15 years), there is a tendency that school population tends to slightly decreasing growth though there is a fluctuation (from 12.72 million in 2000 decreases to 12.25 million in 2010 and from 2010 slightly goes up to 12.67 million in 2011 and decreases to 11.96 million in 2015 then slightly goes up to 12.31 million in 2020).

Table 1.7 Number of School-Age Population Year 2000–2020 (in thousands)

| Level of Education | 2000 | 2008 | 2009 | 2010 | 2011*) | 2015 | 2020 |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Early childhood Educ. | 28.791,0 | 28.684,9 | 28.853,9 | 30.113,3 | 30.160,1 | 29.317,6 | 29.339,8 |
| 0-6 years | | | | | | | |
| Kindergarten | 13.071,7 | 12.098,3 | 12.248,9 | 12.578,2 | 12.871,0 | 12.510,1 | 12.581,0 |
| 4-6 years | | | | | | | |
| PS | 25.955,6 | 24.376,0 | 24.101,3 | 24.354,6 | 26.508,5 | 24.632,8 | 24.983,8 |
| 7-12 years | | | | | | | |
| LSS | 12.723,9 | 12.629,4 | 12.472,4 | 12.246,5 | 12.672,7 | 11.958,1 | 12.311,0 |
| 13-15 years | | | | | | | |
| SSS | 12.810,4 | 12.972,0 | 13.092,2 | 12.628,6 | 12.628,6 | 11.748,6 | 12.159,6 |
| 16-18 years | | | | | | | |
| HE | 24.279,9 | 25.357,9 | 21.170,3 | 21.184,9 | 19.858,1 | 25.793,3 | 23.680,7 |
| 19-24 years | | | | | | | |
| Total | 117.632,5 | 116.118,5 | 111.939,0 | 113.106,1 | 114.699,1 | 115.960,5 | 115.055,9 |

Source: Population projection by single age and specific Age – Group 2005-2015

Upper secondary school age (16-18 years) tends to slightly decreasing growth though there is a fluctuation growth (from 12.81 million in 2000 goes up slightly to 12.97 million in 2008 and 13.09 million in 2009; then goes down to 12.63 million in 2011; goes down further to 11.75 million in 2015; and finally goes up again to 12.16 million in 2020).

For higher education population age (19 to 24 years), there is a tendency that educational population growth tends to fluctuate (from 24,28 million in 2000 increase significantly to 25,36 million in 2008 and then decreases to 19.86 million in 2011, from 2011 increases to 25,79 million in 2015, and finally significantly decreases to 23,68 million in 2020).

It is stated that out of half of the formal sector employment, two thirds of the workers had primary education attainment. However, within the next twenty one-year period this proportion of workers certainly would have changed to a better structure of labor force by education at least up to 2011. An indicator showing improvement begins to emerge that the proportion of labor force with higher education has increased ever since.

Viewed from the structure of employment by education in Table 1.8, the proportion of university graduates is considerably low compared to the proportion of work force having lower education level. According to the Laborer/Employees Situation in Indonesia 2011, the percentage of labor force with low education (primary school and below) was 48.22 percent. The incline had of course taken place since 2000 (40.56 percent), however, the proportion of the low educated labor force remains too high for a society approaching the era of modernization in various aspect of life. The labor force with university and upper secondary education were 11.15 percent and 29.63 percent respectively in 2002, the figures had slightly

decreased to 4.61 percent and 18.61 percent respectively up to 2003. In 2011, the structure showed that the respective higher and secondary educated workers stood at 7.18 percent and 22.96 percent (Graph 1.4).

Table 1.8
Shift of Employment Structure
Year 2002-2011
(In Percent)

| 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
|--------|--|---|--|---|--|---|--|--|--|
| 3,19 | 5,22 | 5,45 | 5,09 | 6,11 | 5,94 | 5,90 | 6,40 | 5,80 | 5,83 |
| 9,83 | 13,14 | 12,68 | 11,42 | 11,63 | 11,66 | 11,73 | 16,94 | 15,97 | 14,45 |
| 28,92 | 38,35 | 35,97 | 36,66 | 34,21 | 34,47 | 33,62 | 26,75 | 27,05 | 27,95 |
| 15,91 | 18,60 | 18,97 | 19,16 | 21,19 | 22,18 | 22,15 | 21,90 | 22,26 | 21,63 |
| 1,37 | 1,47 | 1,48 | 1,43 | 1,51 | - | - | - | - | - |
| 17,40 | 12,96 | 13,30 | 13,92 | 14,51 | 14,25 | 14,62 | 14,84 | 15,26 | 15,33 |
| 12,23 | 5,65 | 6,88 | 6,70 | 6,05 | 6,09 | 6,44 | 7,31 | 7,40 | 7,63 |
| 5,13 | 1,91 | 2,21 | 2,30 | 0,89 | 2,48 | 2,32 | 2,29 | 2,39 | 2,37 |
| 6,02 | 2,70 | 3,06 | 3,32 | 1,22 | 2,92 | 3,23 | 3,57 | 3,87 | 4,81 |
| 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 | 100,00 |
| | 3,19 9,83 28,92 15,91 1,37 17,40 12,23 5,13 6,02 | 3,19 5,22 9,83 13,14 28,92 38,35 15,91 18,60 1,37 1,47 17,40 12,96 12,23 5,65 5,13 1,91 6,02 2,70 | 3,19 5,22 5,45 9,83 13,14 12,68 28,92 38,35 35,97 15,91 18,60 18,97 1,37 1,47 1,48 17,40 12,96 13,30 12,23 5,65 6,88 5,13 1,91 2,21 6,02 2,70 3,06 | 3,19 5,22 5,45 5,09 9,83 13,14 12,68 11,42 28,92 38,35 35,97 36,66 15,91 18,60 18,97 19,16 1,37 1,47 1,48 1,43 17,40 12,96 13,30 13,92 12,23 5,65 6,88 6,70 5,13 1,91 2,21 2,30 6,02 2,70 3,06 3,32 | 3,19 5,22 5,45 5,09 6,11 9,83 13,14 12,68 11,42 11,63 28,92 38,35 35,97 36,66 34,21 15,91 18,60 18,97 19,16 21,19 1,37 1,47 1,48 1,43 1,51 17,40 12,96 13,30 13,92 14,51 12,23 5,65 6,88 6,70 6,05 5,13 1,91 2,21 2,30 0,89 6,02 2,70 3,06 3,32 1,22 | 3,19 5,22 5,45 5,09 6,11 5,94 9,83 13,14 12,68 11,42 11,63 11,66 28,92 38,35 35,97 36,66 34,21 34,47 15,91 18,60 18,97 19,16 21,19 22,18 1,37 1,47 1,48 1,43 1,51 -17,40 12,96 13,30 13,92 14,51 14,25 12,23 5,65 6,88 6,70 6,05 6,09 5,13 1,91 2,21 2,30 0,89 2,48 6,02 2,70 3,06 3,32 1,22 2,92 | 3,19 5,22 5,45 5,09 6,11 5,94 5,90 9,83 13,14 12,68 11,42 11,63 11,66 11,73 28,92 38,35 35,97 36,66 34,21 34,47 33,62 15,91 18,60 18,97 19,16 21,19 22,18 22,15 1,37 1,47 1,48 1,43 1,51 - - 17,40 12,96 13,30 13,92 14,51 14,25 14,62 12,23 5,65 6,88 6,70 6,05 6,09 6,44 5,13 1,91 2,21 2,30 0,89 2,48 2,32 6,02 2,70 3,06 3,32 1,22 2,92 3,23 | 3,19 5,22 5,45 5,09 6,11 5,94 5,90 6,40 9,83 13,14 12,68 11,42 11,63 11,66 11,73 16,94 28,92 38,35 35,97 36,66 34,21 34,47 33,62 26,75 15,91 18,60 18,97 19,16 21,19 22,18 22,15 21,90 1,37 1,47 1,48 1,43 1,51 - - - 17,40 12,96 13,30 13,92 14,51 14,25 14,62 14,84 12,23 5,65 6,88 6,70 6,05 6,09 6,44 7,31 5,13 1,91 2,21 2,30 0,89 2,48 2,32 2,29 6,02 2,70 3,06 3,32 1,22 2,92 3,23 3,57 | 3,19 5,22 5,45 5,09 6,11 5,94 5,90 6,40 5,80 9,83 13,14 12,68 11,42 11,63 11,66 11,73 16,94 15,97 28,92 38,35 35,97 36,66 34,21 34,47 33,62 26,75 27,05 15,91 18,60 18,97 19,16 21,19 22,18 22,15 21,90 22,26 1,37 1,47 1,48 1,43 1,51 - |

Source: Laborer/Employees Situation in Indonesia 2001-2010, Central Board of Statistics.

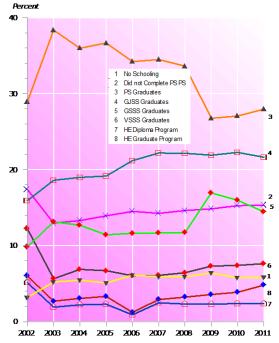
In year 2011 shows that number of labor force with the higher education increased. The increased proportion of labor force with the higher education levels is caused among others by the impacts of 1) the universal primary school education program which started in 1980's; 2) the improvement of social welfare followed by the increased interest to enter university; and 3) the expansion of remunerative economic sectors which in turn will cause the educational aspiration of the people to increase.

If the educational programs can produce graduates matching with the requirements of various types of employ in the needed sectors, the percentage of work-force with higher education qualification has double impacts on growth. These impacts may further be explained through the following reasons.

First, the effect on the efficiency and quality of work, as the university graduates are more able to utilize advanced technology effectively that has an impact on national productivity.

Second, the effect on expansion of new job opportunities, which causes more diversified economic sector activities, with the assumption that university graduates may appear capable of conducting business autonomously.

Graph 1.4
Shift of Employment Structure
Year 2002-2011



D. Principles of Education Development

Based on the current Act of Republic of Indonesia on National Education Systems (Law Number 20, Year 2003, Chapter II, Article 3), the objectives of national education development are: to develop learners' potentials so that they become persons filled with human values who are faithful and pious to one and only God; who possess morals and noble character; who are healthy, knowledgeable, competent, creative, independent; and as citizens, are democratic and responsible.

According to Law Number 20, Year 2003, education means conscious and well-planned effort in creating a learning environment and learning process so that learners will be able to develop their full potential for acquiring spiritual and religious strengths, develop self-control, personality, intelligence, morals and noble character and skills that one needs for him/herself, for the community, the nation, and the State.

Started from what mentioned on the objectives of National Education Systems, the implementation of national education systems is an effort to make the Indonesian people aware of the possibility to sustain their lives and lifestyles and to continuously develop themselves from one generation to the next. Effort to make continuous development requires the implementation of principles of democracy, decentralization, justice, as well as respect for human rights in the spirit, which characterizes both the nation and the state. These principles have fundamental impact on the contents, processes, and management of the national education.

Furthermore, science and technology have developed rapidly and have brought about new demands in all aspects of life, including a new system of education. These demands call for reforms in the education system, inter alia, curriculum reform, that is, diversification of curriculum in order to serve diverse students and local potentials; diversification of types of education conducted professionally, setting of graduated standards nationally and locally based on the needs; setting of minimum qualification for teachers to meet the professional requirements for teaching, setting the standard unit costs for each education unit based on the principles of equity and equality, the implementation of school-based management and autonomy of higher education, and provision of open and polyvalence education system.

The implementation of National Education System also includes the removal of discrimination in education organized by the government and community, and also the distinction between religious education and general education.

The reforms in education system are intended to renew vision, missions and strategies of the national education. National education has a vision for bringing into being the education system as a strong and respected social institution to empower all citizens of Indonesia to become enlightened human beings who are able to keep abreast of the challenges of the time. With such a vision of education, national education has missions as follows: 1) To strive for the broadening and even distribution of opportunities for quality education for all Indonesian citizens; 2) To assist and facilitate the development of their potentials, from early childhood throughout life, in order to bring into being a learning society; 3) To improve quality of educational inputs and process to optimize the formation of moral character building; 4) To enhance the professionalism and accountability of educational institutions as centers for acculturation of sciences, skills, experiences, attitudes, and values based on national and global standards; and 5) To empower community participation in the provision of education based on the principles of autonomy in the context of the unity of the Republic of Indonesia.

Based on the foregoing vision and missions of the national education system, national education has a function to develop ability and character as well as the dignity of the civilization of the nation in order to enhance its intellectual life. National education system aims at developing learners' potential so that they become faithful and pious to the Almighty God, possessing morals and noble characters, be healthy, knowledgeable, skillful, independent, and become Indonesian citizens who are democratic and responsible.

The national education system is to be carried out in a universal, sound and consolidated manner. 'Universal' means has an equal access to every citizen of this country. 'Sound' means covering all streams, levels, and types of education; while 'consolidation' means there is an interconnection between national education and national development efforts.

During the course of one's life, each individual is entitled to achieve life-long education, although as a member of society he/she is not expected to continuously study without subjugating his/her abilities for the public benefit. Education can be obtained either through schooling education (formal education) or non-formal as well as informal education.

The national education system provides immense learning opportunities for every citizen; therefore, it will reject or accept students equitably on the basis of gender, religion, ethnic, social or economic background although there are educational units or programs of education that are of specific nature.

Education in the family (informal education) as part of the non-formal education endeavors to train the society through life-long learning. This part of the education system nurtures religious belief and cultural values including moral standards of the society and gives the members of the family the life skills and attitudes supportive of the local society, the nation, and the state's life.

CHAPTER II EDUCATION SYSTEM IN INDONESIA

A. Organization of Ministry of Education and Culture

Based on Act Number 20, Year 2003 on National Education System, Article 3, vision of national education system is to develop the capability, character, and civilization of the nation for enhancing its intellectual capacity, and is aimed at developing learners' potentials so that they become persons imbued with human values who are faithful and pious to one and only God; who posses morals and noble characters; who are healthy, knowledgeable, competent, creative, independent, and as citizens, are democratic and responsible. In year 2025, national education system wants to product "Insan Indonesia Cerdas dan Kompetitif (Insan Kamil/Insan Paripurna)".

Mission of national education is conducted democratically, equally and non-discriminatorily based on human rights, religious values, cultural values, and national pluralism. This mission is held to fit the principles of education provision that was in the Article 4, Act Number 20, Year 2003 on National Education System.

Based on Minister's regulation Number 1, Year 2012, to implement this mission, the Minister of Education and Culture who is the head of the Ministry of Education and Culture is assisted by 2 vice minister (Vice Minister on Education and Vice Minister on Culture) and five advisors. Those advisors are 1) Expert Staff on Law, 2) Expert Staff on Social and Economic Education, 3) Expert Staff on International Cooperation, 4) Expert Staff on Organization and Management, and 5) Expert Staff on Culture and Education Psychology.

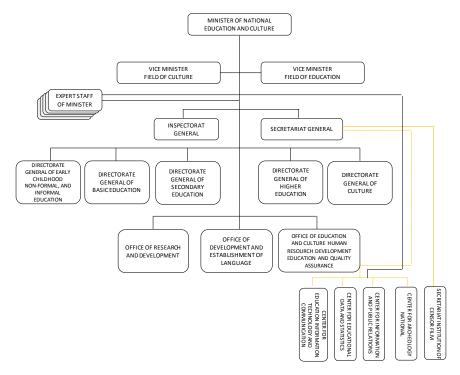
The advisors are experts in their particular fields but have no decision-making power. Their works are to give their weighed opinion, advice, or information to the Minister within their respective fields of expertise.

At the central level, the organizational structure of the Ministry of Education and Culture consists of ten main units. These ten units are the following:

- 1. Secretariat General
- 2. Directorate General of Early Childhood, Non-formal, and Informal Education
- 3. Directorate General of Basic Education
- 4. Directorate General of Secondary Education
- 5. Directorate General of Higher Education
- 6. Directorate General of Culture
- 7. Inspectorate General

- 8. Office of Research and Development
- 9. Office of Development and Establishment of Language
- 10. Office of Education and Culture Human Resources Development and Education Quality Assurance

Diagram 2.1 Organizational of Ministry of Education and Culture



B. Overview of Education Development

The development of national education has been a top priority in national development. This commitment is in accordance with the 1945 Constitution which stipulates in Article 31 that: (1) Every citizen has the right to obtain education and (2) the Government provides one national education system which is regulated by law.

In addition, the provision emerges in Act of the Republic of Indonesia, Number 20, Year 2003 on National Education System, which provides direction regarding the national development efforts and guidance for the national education system.

According to Strategic Planning, the national development is based on the trilogy of developments, i.e. equity, economic growth, and national stability. The equity component is important in that education is considered as a determining factor in the achievement of equity in some aspects of life. Economy is considered as the main power of development and with the development of human resources (HRD). It forms the essential priorities in the upcoming development cycle.

The development of these two areas strives for in a mutually enforcing, interwoven manner and are integrated with the development of other sectors. All efforts put together have the aims and objectives of achieving national development goals.

The development of human resources, through the provision of equal distribution of learning opportunities, has experienced rapid progress since Indonesia's independence. In 1930, less than 6 percent of the population of Indonesia was literate. In 1951 this percentage increased to 20 percent. In census of 1971 in Table 3.2, 60.92 percent of the population older than 10 years of age was literate and in census of 1980, 71.20 percent of the population was literate. Furthermore, the population census of 1990 indicates that 84.08 percent of the population older than 10 years of age is literate and census of 2000 was 89.63 percent and in 2011 was 95.57 percent. This shows a success of the development in education sector, in particular of primary education, which has developed rapidly in the 65 years following the pre-independence period.

More and more school age children and youth are going to schools or attending non-formal education programs. The education statistics show that the number of students at every level of the school system has grown extremely rapid within the last 42 years (from 1969 to 2012/2013). During that period, the number of students increases more than 10 times for kindergarten, more than double for primary school, almost 8 times for junior secondary school, almost 18 times for senior secondary schools, and more than 30 times for higher education. This reality of education will gradually change a great deal of the structure of the labor force in Indonesia.

Another example of success achieved is the expansion and balanced distribution of educational opportunities at primary schools. This effort has been on its way since 1973, when large numbers of new schools began to be built through the Presidential Decree Program for primary schools (*Inpres SD*). This achievement enabled the Government to make primary education compulsory from 1984.

Today, the compulsory primary education program has yielded large numbers of primary school graduates. Most of them are 12 years of age that according to the Labor Law, they cannot yet be categorized as members of the productive work-

force. The number of school drop-outs is still high. Eventually, primary school drop-outs and graduates will be unemployed because they do not have adequate skill required to do productive work particularly in an industrial sector of the economy.

Having planned to establish the industrial society, Indonesia needs to enhance skills and productivity of the primary education graduates to become productive industrial workers. For such a reason, the number of years of compulsory primary education is extended to nine years, becoming nine-year basic education compulsory and adding three years of schooling for those of 13-15 years of age in 1994.

Keeping in mind that the resources available for the implementation of universal basic education are limited, the role of the community and parents in providing nine-year basic education compulsory is significant. Islamic Primary School (Madrasah Ibtidaiyah/MI), Islamic Junior secondary school (Madrasah Tsanawiyah/MTs), private and public primary and junior secondary schools all play an equally important role in providing basic education.

Religious education is considered important in the development of human resources' quality. Therefore, the government has subsidized the private Islamic schools a great deal in terms of buildings, teachers, and operational costs. Moreover, maintaining religious contents, the academic subjects' contents have also been expanded in the Islamic school's curriculum, reaching the same level as taught in regular basic education system.

In order to support the program of nine-year compulsory basic education, out-of-school education has a very important role to play. In addition, out-of-school education also provides education equivalent to primary and junior secondary school in order to eliminate illiteracy. Therefore, school and out-of-school education streams are mutually supportive in providing a nine-year compulsory basic education.

Within the context of improving the quality of human resources, the Government's programs in related sectors, aiming at equity and equality improvements, have been well integrated. During the 28 years period, the Government was able to meet the basic needs of people in terms of food, clothing and housing. The industrial and agricultural sectors continue to develop so as to provide more employment opportunities. Education and health care have been provided to virtually all. Indonesia is therefore well placed to provide further educational opportunity to its people and thereby enhancing the skills and qualities of its human resources.

National education aimed at improving the intellectual life of the nation, and developing the Indonesian people fully, i.e. people who are devoted to God, who are in possession of knowledge and skills, who are in good physical and spiritual health, who are independent and fair, and who feel responsible for their countrymen and nation. National education also strives to create a patriotic spirit, strengthens love for the fatherland, enhances the national spirit, social solidarity and awareness of national history, instills honor for the national heroes, and creates a forward-looking attitude.

The learning and teaching climate has to generate selfconfidence and a learning culture at all layers of society that induces an attitude and behavior of creativity, innovative thinking, and orientation towards the future.

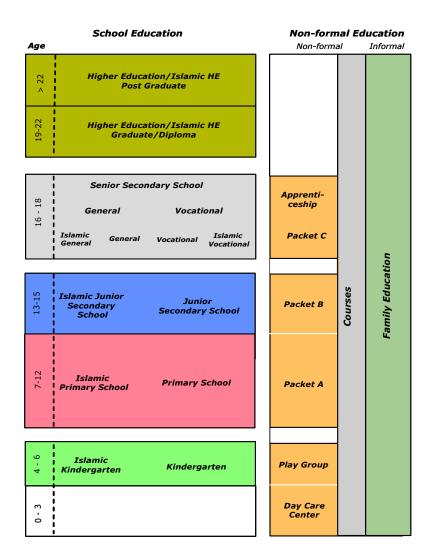
C. Overview of Education System

The national education system has its roots in the Indonesian culture. The system is based on *Pancasila*, the 1945 Constitution, and Act of the Indonesia, Number 20, Year 2003 on National Education System aims to generate abilities and to increase the standard of living and dignity of the Indonesian people in order to achieve the national development objectives. According to Act of the Indonesia, Number 20, Year 2003, the national education system is identified in terms of streams, levels, and types of education.

1. The Streams, Levels, and Types of Education

Educational streaming consists of formal education, nonformal education, and informal education that may complement and enrich each other (Act of the Indonesia, Number 20, Year 2003, Chapter VI, Article 13, Verse, 1). Levels of education consist of basic education, secondary education, and higher education (Act of the Indonesia, Number 20, Year 2003, Chapter VI, article 14). Types of education include general education, vocational education, academic education, professional education, vocational and technical education, religious education, and special education (Act of the Indonesia, Number 20, Year 2003, Chapter VI, and Article 15). The streams, levels, and types of education can take the form of an educational unit organized by the Government, governments, and/or community (Act of the Indonesia, Number 20, Year 2003, Chapter VI, Article 16).

> Diagram 2.2 National Education System, Act Number 20, Year 2003



The National Education Systems consists of seven types of education described as follows. First, general education is basic and secondary education program that focus on provision of broad based academic skills, needed for learners to pursue further education at high level of schooling. Second, vocational education is secondary education program for preparing learners for a specific job. Third, academic education is higher education program of graduate and post-graduate level (sarjana and pascasarjana), aiming at acquisition of specific science discipline. Fourth, professional education is higher education program after graduate program which prepares learners for jobs by acquiring particular skills and expertise. Fifth, vocational and technical education is higher education

program for preparing learners for jobs by acquiring applied knowledge at the maximum, equivalent to graduate program.

Sixth, religious education is basic, secondary, and higher education program which prepare learners to perform their role, requiring the acquisition of religious knowledge, and/or to become a religious scholar. Seventh, special education is a provision of education program for the disabled and/or the gifted learners, organized inclusively or exclusively at basic and secondary level of schooling.

2. Levels of Education

Formal school system consists of basic education, secondary education, and higher education. Apart from the levels of education mentioned above, Early Childhood Education is also provided. (Act of the Indonesia, Number 20, Year 2003, Chapter VI, Article 28). According to this Act, early childhood education is organized prior to basic education. This kind of education is provided through formal education, non-formal education, and/or informal education.

Early childhood education provided through formal education is in the form of kindergarten (*Taman Kanak-kanak*/TK) including Islamic Kindergarten (*Raudhlatul Athfal*/RA and *Bustanul Athfal*/BA), or other forms of formal education of similar types. This type of education is also conducted through non-formal education in the form of play group (*Kelompok Bermain*/KB), child care centers (*Taman Penitipan Anak*/TPA) and also other forms of non-formal education of similar types. This type of education is also provided through informal education such as, family education, home schooling or education in the surroundings.

Among the types of pre-school education are kindergartens and play groups. Kindergartens are parts of school-based education system while play groups are parts of out-of-school system. Kindergarten is provided for children from 4 to 6 years old and takes one or two year period of education, while play group is attended by children of three years old and below.

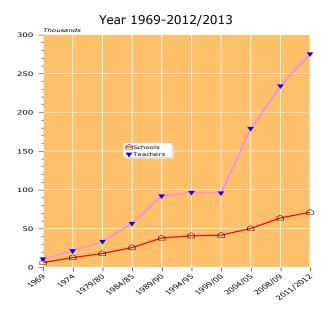
Table 2.1 shows the main data and indicators of Kindergarten. Since 1969, kindergartens have increased in terms of its quantity. During 42 years, the number of schools increased 11.68 times, the number of pupils increased 10.52 times, the number of teachers rose 26.14 times and the number of classes rose 18.65 times. This condition indicates that the community has become aware of the importance and strategic role of pre-school as a tool in the improvement of attitude, knowledge, skills and mental creativity of young children (Graphs 2.1 and 2.2).

Table 2.1 Number of Schools, Pupils, Teachers, Classes, and Ratios Kindergarten (KG) Year 1969-2012/2013

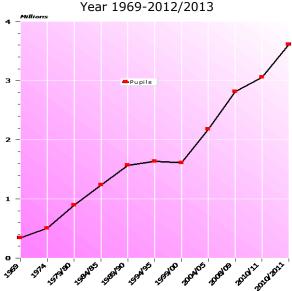
| Academic | Cabaala | Dunila | Tooobous | Classes | | Rati | 0 | |
|--------------------|---------|------------------------|--------------------|--------------------|----------------|----------------|--------------|----------------|
| Year | Schools | Pupils | Teachers | Classes - | P/S | P/T | T/S | P/C |
| 1969 | 6.072 | 343.466 | 10.523 | 9.800 | 56,57 | 32,64 | 1,73 | 35,05 |
| 1970 | 9.220 | 394.100 | 15.030 | 11.900 | 42,74 | 26,22 | 1,63 | 33,12 |
| 1971 | 9.779 | 387.490 | 16.780 | 12.100 | 39,62 | 23,09 | 1,72 | 32,02 |
| 1972 | 10.345 | 410.409 | 16.825 | 13.200 | 39,67 | 24,39 | 1,63 | 31,09 |
| 1973 | 10.482 | 392.016 | 16.868 | 13.400 | 37,40 | 23,24 | 1,61 | 29,25 |
| 1974 | 12.429 | 506.913 | 21.202 | 17.050 | 40,78 | 23,91 | 1,71 | 29,73 |
| 1975 | 12.795 | 525.775 | 22.203 | 17.800 | 41,09 | 23,68 | 1,74 | 29,54 |
| 1976 | 13.575 | 579.876 | 24.503 | 19.800 | 42,72 | 23,67 | 1,81 | 29,29 |
| 1977 | 14.840 | 674.292 | 27.223 | 23.200 | 45,44 | 24,77 | 1,83 | 29,06 |
| 1978/79 | 16.026 | 754.497 | 29.356 | 26.240 | 47,08 | 25,70 | 1,83 | 28,75 |
| 1979/80 | 17.688 | 894.915 | 33.030 | 31.510 | 50,59 | 27,09 | 1,87 | 28,40 |
| 1980/81 | 18.986 | 983.307 | 36.471 | 35.055 | 51,79 | 26,96 | 1,92 | 28,05 |
| 1981/82 | 20.259 | 984.406 | 39.578 | 35.530 | 48,59 | 24,87 | 1,95 | 27,71 |
| 1982/83 | 22.056 | 1.141.215 | 42.688 | 41.700 | 51,74 | 26,73 | 1,94 | 27,37 |
| 1983/84 | 23.836 | 1.220.686 | 46.228 | 45.165 | 51,21 | 26,41 | 1,94 | 27,03 |
| 1984/85 | | 1.233.793 | 56.489 | 46.220 | 48,63 | 21,84 | 2,23 | 26,69 |
| 1985/86 | | 1.258.468 | 58.341 | 47.735 | 47,63 | 21,57 | 2,21 | 26,36 |
| 1986/87 | | 1.268.470 | 68.333 | 48.715 | 44,60 | 18,56 | 2,40 | 26,04 |
| 1987/88 | | 1.510.321 | 79.953 | 58.730 | 44,96 | 18,89 | 2,38 | 25,72 |
| 1988/89 | | 1.544.541 | 81.426 | 60.810 | 42,68 | 18,97 | 2,25 | 25,40 |
| 1989/90 | | 1.568.450 | 91.714 | 62.525 | 41,54 | 17,10 | 2,43 | 25,09 |
| 1990/91 | | 1.604.208 | 92.367 | 64.750 | 41,01 | 17,37 | 2,36 | 24,78 |
| 1991/92 | | 1.614.715 | 93.429 | 65.990 | 41,10 | 17,28 | 2,38 | 24,47 |
| 1992/93 | | 1.660.295 | 94.416 | 68.694 | 41,24 | 17,58 | 2,35 | 24,17 |
| 1993/94 | | 1.596.283 | 95.585 | 70.491 | 39,90 | 16,70 | 2,39 | 22,65 |
| 1994/95 | | 1.636.342 | 96.466 | 71.101 | 40,34 | 16,96 | 2,38 | 23,01 |
| 1995/96 | | 1.649.145 | 98.094 | 71.278 | 40,50 | 16,81 | 2,41 | 23,14 |
| 1996/97 | | 1.624.961 | 93.962 | 70.388 | 40,41 | 17,29 | 2,34 | 23,09 |
| 1997/98 | | 1.687.465 | 95.128 | 71.722 | 41,60 | 17,74 | 2,35 | 23,53 |
| 1998/99 | | 1.584.884 | 90.919 | 70.325 | 38,77 | 17,43 | 2,22 | 22,54 |
| 1999/00 | | 1.612.761 | 95.686 | 75.791 | 39,03 | 16,85 | 2,32 | 21,28 |
| 2000/01 | | 1.628.167 | 102.503 | 76.561 | 39,00 | 15,88 | 2,46 | 21,27 |
| 2001/02 | | 1.751.309 | 130.711 | 87.562 | 39,28 | 13,40 | 2,93 | 20,00 |
| 2002/03 | | 1.845.983 | 137.069 | 90.321 | 39,28 | 13,47 | 2,92 | 20,44 |
| 2003/04 | | 1.985.749 | 149.644 | 101.711 | 41,42 | 13,27 | 3,12 | 19,52 |
| 2004/05 | | 2.178.875 | 178.727 | 107.981 | 43,51 | 12,19 | 3,57 | 20,18 |
| 2005/06 | | 2.467.764 | 207.134 222.484 | 120.593 | 45,67 | 11,91 | 3,83 | 20,46 |
| 2006/07 2007/08 | | 2.740.448 2.783.413 | 222.484 233.566 | 132.301 137.134 | 47,42 43,87 | 12,32 | 3,85 | 20,71 20,30 |
| | | 2.783.413 | 233.566 | 137.134 | 43,87 44,24 | 11,92 11,84 | 3,68 3,73 | 20,30 |
| 2008/09 2009/10 | | 2.947.193 | 276.835 | 153.299 | 43,63 | 10,65 | 4,10 | 19,23 |
| 2010/11 | | 3.056.377 | 267.576 | 161.188 | 44,09 | 11,42 | 3,86 | 18,96 |
| 2010/11 | | 3.612.441 | 275.099 | 182.750 | 50,94 | 13,13 | 3,88 | 19,77 |
| 2011/12 | /0.51/ | 5.012.441 | 2/3.033 | 102./30 | 30,34 | 13,13 | 5,00 | 17,11 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC Notes: P/S is ratio of pupils to schools, P/T is ratio of pupils to teachers, T/S is ratio of teachers to schools, P/C is a ratio of pupils to classes

Graph 2.1 Number of Schools and Teachers Kindergarten



Graph 2.2 Number of Pupils Kindergarten



a. Basic Education

Based on Act of the Indonesia, Number 20, Year 2003, Chapter VI, Article 17, basic education is the foundation for secondary education. Basic education takes the form of primary school, that is, General Primary School (*Sekolah Dasar*/SD) as well as Islamic Primary School (*Madrasah Ibtidaiyah*/MI), or other schools of the same level, and junior secondary schools, that is General Junior Secondary School (*Sekolah Menengah Pertama*/SMP) as well as Islamic Junior Secondary School (*Madrasah Tsanawiyah* (MTs), or other schools of the same level. Islamic schools administered by the Ministry of Religious Affairs (MoRA).

Table 2.2

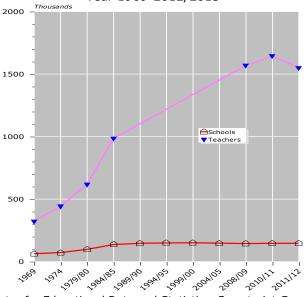
Number of Schools, New Entrants to Grade I, Pupils, Graduates,
Teachers, Classes, and Owned Classrooms
Primary School (PS)
Year 1969-2012/2013

| Academic Year | Schools | New Entrants to Grade I | Pupils | Graduates | Teachers | Classes | Owned Class- rooms |
|------------------|---------|-------------------------------|------------|-----------|-----------|-----------|--------------------------|
| 1969 | 63.056 | 2,405,475 | 12.802.415 | 929.500 | 323.200 | 320.060 | 213.370 |
| 1970 | 64.040 | 2,431,984 | 12,819,840 | 951.500 | 397.500 | 337.410 | 225.690 |
| 1971 | 64.335 | 2,472,660 | 12,896,147 | 975.800 | 414.799 | 348.545 | 233.925 |
| 1972 | 65.227 | 2,489,094 | 13,030,548 | 994.117 | 413.413 | 361.960 | 243.745 |
| 1973 | 65.910 | 2,510,511 | 13,069,456 | 1,221,013 | 427.211 | 378.825 | 255.965 |
| 1974 | 72.122 | 2,722,369 | 13,707,866 | 1,139,050 | 444.241 | 435.532 | 295.275 |
| 1975 | 73.589 | 2,973,602 | 14,280,157 | 1,180,055 | 472.698 | 481.789 | 327.750 |
| 1976 | 80.261 | 3,435,375 | 15,550,124 | 1,242,761 | 514.912 | 510.303 | 347.145 |
| 1977 | 83.590 | 3,730,935 | 17,265,291 | 1,358,262 | 551.927 | 552.650 | 375.950 |
| 1978/79 | 92.499 | 4,078,477 | 19,074,819 | 1,453,213 | 592.439 | 599.682 | 439.276 |
| 1979/80 | 98.248 | 4,930,739 | 21,165,724 | 1,569,814 | 619.772 | 659.338 | 459.519 |
| 1980/81 | 105.645 | 4,350,750 | 22,551,870 | 1,795,778 | 666.779 | 699.457 | 498.248 |
| 1981/82 | 110.050 | 4,482,050 | 23,862,488 | 2,027,754 | 713.222 | 749.699 | 551.391 |
| 1982/83 | 120.162 | 4,313,433 | 24,742,275 | 2,300,372 | 841.833 | 786.133 | 625.390 |
| 1983/84 | 129.388 | 4,490,319 | 25,804,380 | 2,508,102 | 925.834 | 828.012 | 701.645 |
| 1984/85 | 136.706 | 4,470,807 | 26,567,688 | 2,924,003 | 986.638 | 872.685 | 755.375 |
| 1985/86 | 139.511 | 4,192,764 | 26,550,915 | 3,289,390 | 1,037,174 | 898.018 | 785.817 |
| 1986/87 | 142.966 | 4,321,264 | 26,444,756 | 3,359,183 | 1,078,597 | 922.284 | 813.808 |
| 1987/88 | 144.561 | 4,538,855 | 26,649,890 | 3,340,715 | 1,107,100 | 943.120 | 829.941 |
| 1988/89 | 145.571 | 4,542,234 | 26,725,364 | 3,389,548 | 1,134,089 | 970.897 | 846.562 |
| 1989/90 | 146.558 | 4,378,219 | 26,528,590 | 3,355,733 | 1,141,486 | 977.033 | 842.813 |
| 1990/91 | 147.066 | 4,254,678 | 26,348,376 | 3,336,590 | 1,136,907 | 981.550 | 846.173 |
| 1991/92 | 147.683 | 4,247,301 | 26,325,701 | 3,213,780 | 1,141,032 | 985.164 | 849.423 |
| 1992/93 | 148.257 | 4,227,355 | 26,339,995 | 3,283,931 | 1,153,816 | 994.597 | 854.674 |
| 1993/94 | 148.942 | 4,211,199 | 26,319,852 | 3,471,393 | 1,172,523 | 1,001,329 | 857.865 |
| 1994/95 | 149.464 | 4,182,838 | 26,200,023 | 3,575,250 | 1,172,640 | 1,004,948 | 857.871 |
| 1995/96 | 149.954 | 4,140,979 | 25,948,574 | 3,575,264 | 1,172,688 | 1,018,470 | 860.929 |
| 1996/97 | 150.595 | 4,216,291 | 25,755,083 | 3,606,674 | 1,165,786 | 1,016,801 | 864.686 |
| 1997/98 | 150.921 | 4,259,670 | 25,667,578 | 3,608,516 | 1,158,004 | 1,016,591 | 872.807 |
| 1998/99 | 151.042 | 4,402,044 | 25,687,893 | 3,629,577 | 1,152,536 | 1,017,274 | 867.063 |
| 1999/00 | 150.612 | 4,318,978 | 25,614,836 | 3,613,578 | 1,141,168 | 1,017,661 | 864.174 |
| 2000/01 | 148.964 | 4,371,220 | 25,701,558 | 3,612,842 | 1,128,475 | 1,000,687 | 875.054 |
| 2001/02 | 148.516 | 4,441,148 | 25,850,849 | 3,608,801 | 1,164,808 | 988.513 | 906.393 |
| 2002/03 | 146.052 | 4,403,058 | 25,918,898 | 3,567,174 | 1,234,927 | 988.597 | 865.258 |
| 2003/04 | 145.867 | 4,440,896 | 25,976,285 | 3,616,441 | 1,256,246 | 1,005,751 | 883.709 |
| 2004/05 | 147.793 | 4,455,431 | 25,997,445 | 3,657,261 | 1,335,086 | 1,015,118 | 889.427 |
| 2005/06 | 148.262 | 4,491,010 | 25,982,590 | 3,681,181 | 1,346,846 | 1,016,724 | 993.166 |
| 2006/07 | 146.813 | 4,730,674 | 26,278,236 | 3,700,872 | 1,385,676 | 890.205 | 918.526 |
| 2007/08 | 143.979 | 4.618.401 | 26.627.427 | 3.798.698 | 1.438.091 | 978.055 | 872.652 |
| 2008/09 | 144.228 | 4.667.977 | 26.984.824 | 3.872.972 | 1.569.326 | 989.071 | 891.680 |
| 2009/10 | 143.252 | 4.732.548 | 27.328.601 | 3.943.696 | 1.627.984 | 1.009.232 | 890.441 |
| 2010/11 | 146.804 | 4.822.160 | 27.580.215 | 4.131.513 | 1.644.925 | 1.059.173 | 945.073 |
| 2011/12 | 146.826 | 4.342.911 | 27.583.919 | 4.090.219 | 1.550.276 | 1.060.597 | 944.218 |

Table 2.2 shows the main data of primary school. It provides six-year primary education program. It consists of two different types of education, i.e., general primary school (*SD*) and special primary school for disabled children and/or for gifted children (*Sekolah Dasar Luar Biasa*/SDLB).

The number of primary schools has grown rapidly since 1974, when the *Inpres-SD* program was started to build primary schools throughout the country. However, the number of primary schools has decreased relatively steady since 1999/2000 to 2012/2013. Since 1969, primary schools have increased in terms of its quantity. During 42 years, the number of schools increased 2.33 times, the number of new entrants rose 1.81 times, the number of pupils went up 2.15 times, the number of graduates rose 4.40 times, the number of teachers increased 4.80 times, the number of classes rose 3.31 times, and the number of owned classrooms rose 4.43 times. This condition indicates that the community has become aware of the importance of children entering primary school as a tool in the improvement of attitude, knowledge, skills and mental creativity of young children (Graphs 2.3 and 2.4).

Graph 2.3 Number of Schools and Teachers Primary School Year 1969-2012/2013



Graph 2.4 Number of New Entrants, Pupils, and Graduates Primary School Year 1969-2012/2013

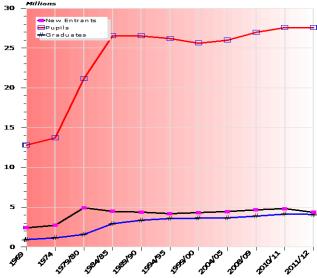


Table 2.3 Number of Schools, Pupils, and Teachers Islamic Primary School (IPS) Year 1989/1990-2012/2013

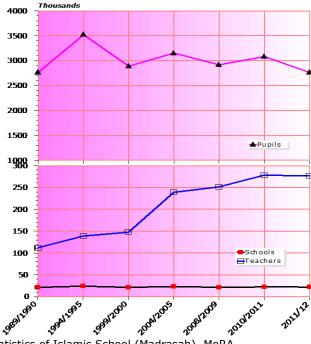
| Year - | | Schools | | | Pupils | | | Teachers | |
|---------|--------|---------|--------|---------|-----------|-----------|--------|----------|---------|
| ieai | Public | Private | Total | Public | Private | Total | Public | Private | Total |
| 1989/90 | 535 | 20.829 | 21.364 | 107.427 | 2.660.097 | 2.767.524 | 15.777 | 96.309 | 112.086 |
| 1990/91 | 558 | 21.593 | 22.151 | 119.472 | 2.940.930 | 3.060.402 | 16.639 | 102.118 | 118.757 |
| 1991/92 | 598 | 22.499 | 23.097 | 130.042 | 3.121.961 | 3.252.003 | 17.212 | 102.845 | 120.057 |
| 1992/93 | 599 | 22.599 | 23.198 | 130.300 | 3.128.500 | 3.258.500 | 17.547 | 104.854 | 122.401 |
| 1993/94 | 607 | 24.372 | 24.979 | 176.610 | 3.203.124 | 3.379.734 | 8.011 | 115.569 | 123.580 |
| 1994/95 | 825 | 23.407 | 24.232 | 180.291 | 3.341.545 | 3.521.836 | 8.911 | 130.020 | 138.931 |
| 1995/96 | 874 | 23.586 | 24.460 | 193.262 | 3.306.154 | 3.499.416 | 11.088 | 134.200 | 145.288 |
| 1996/97 | 1.044 | 23.297 | 24.341 | 196.683 | 3.284.521 | 3.481.204 | 9.476 | 167.756 | 177.232 |
| 1997/98 | 1.076 | 23.440 | 24.516 | 206.089 | 3.377.320 | 3.583.409 | 9.798 | 173.951 | 183.749 |
| 1998/99 | 1.088 | 23.174 | 24.262 | 208.879 | 3.398.155 | 3.607.034 | 9.950 | 171.727 | 181.677 |
| 1999/00 | 1.454 | 20.000 | 21.454 | 273.046 | 2.616.580 | 2.889.626 | 16.044 | 131.753 | 147.797 |
| 2000/01 | 1.481 | 20.554 | 22.035 | 284.521 | 2.704.052 | 2.988.573 | 16.242 | 145.003 | 161.245 |
| 2001/02 | 1.482 | 21.317 | 22.799 | 290.169 | 2.785.359 | 3.075.528 | 17.611 | 178.765 | 196.376 |
| 2002/03 | 1.483 | 21.612 | 23.095 | 302.811 | 2.829.125 | 3.131.936 | 18.524 | 181.848 | 200.372 |
| 2003/04 | 1.484 | 21.680 | 23.164 | 309.889 | 2.814.264 | 3.124.153 | 19.436 | 184.931 | 204.367 |
| 2004/05 | 1.499 | 22.015 | 23.514 | 312.678 | 2.839.623 | 3.152.301 | 22.330 | 216.603 | 238.933 |
| 2005/06 | 1.584 | 21.045 | 22.629 | 333.270 | 2.666.848 | 3.000.118 | 26.098 | 194.213 | 220.311 |
| 2006/07 | 1.568 | 20.621 | 22.189 | 337.286 | 2.620.614 | 2.957.900 | 23.329 | 174.625 | 197.954 |
| 2007/08 | 1.567 | 19.621 | 21.188 | 342.579 | 2.528.260 | 2.870.839 | 27.327 | 213.345 | 240.672 |
| 2008/09 | 1.662 | 19.867 | 21.529 | 361.491 | 2.554.736 | 2.916.227 | 40.534 | 210.980 | 251.514 |
| 2009/10 | 1.675 | 20.564 | 22.239 | 375.392 | 2.637.828 | 3.013.220 | 41.289 | 230.673 | 271.962 |
| 2010/11 | 1.745 | 20.782 | 22.527 | 413.168 | 2.669.058 | 3.082.226 | 43.236 | 235.028 | 278.264 |
| 2011/12 | 1 686 | 20.612 | 22 298 | 390.514 | 2.374.271 | 2.764.785 | 32,253 | 244.228 | 276.481 |

Source: Directorate of Development of Islamic Schools, Directorate General of Development of Islamic Institutions, MoRA

The same as primary school, data on Islamic Primary School in Table 2.3 also increased its quantity. During 23 years, the number of schools rose 1.04 times. The number of pupils rose

1.0 times and the number of teachers rose 2.47 times (Graphs 2.5).

Graph 2.5 Number of Schools, Pupils, and Teachers Islamic Primary School Year 1989/1990-2012/2013



Source: Statistics of Islamic School (Madrasah), MoRA

Table 2.4 shows the main data of junior secondary school. Since 1969, junior secondary schools have increased in terms of its quantity (the numbers of schools, new entrants, pupils, graduates, teachers, classes, as well as owned classrooms). During 42 years, the number of schools increased 5.97 times, the number of new entrants increased 7.51 times, the number of pupils increased 7.64 times, the number of graduates rose 10.75 times, the number of teachers increased 6.03 times, the number of classes rose 8.90 times, the number of owned classrooms rose 13.15 times. This condition indicates that the community has become aware of the importance of children entering junior secondary school as a tool in the improvement of attitude, knowledge, skills, and mental creativity of young children (Graphs 2.6 and 2.7).

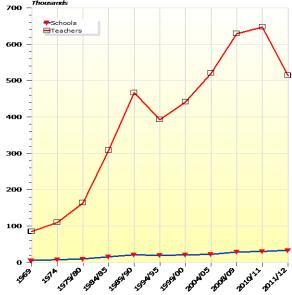
The same as junior secondary school, Islamic Junior Secondary School in Table 2.5 also shows the increased of its quantity. During 23 years, the number of schools increased

13.19 times, the number of pupils rose 2.61 times and the number of teachers rose 4.09 times (Graphs 2.8).

Table 2.4
Number of Schools, New Entrants to Grade I, Pupils, Graduates,
Teachers, Classes and Owned Classrooms
Junior secondary School (JSS)
Year 1969-2012/2013

| A an da mia | Cabaala | New | Dunila | Craduatas | Topoboro | Classes | Owned |
|--------------------|------------------|------------------------|------------------------|------------------------|--------------------|--------------------|--------------------|
| Academic Year | Schools | Entrants to Grade I | Pupils | Graduates | Teachers | Classes | Classrooms |
| 1969 | 5.639 | 445.495 | 1.234.379 | 290.300 | 85.149 | 30.860 | 20.675 |
| 1970 | 6.527 | 470.235 | 1.292.230 | 304.100 | 94.615 | 32.715 | 22.208 |
| 1971 | 7.029 | 519.354 | 1.400.873 | 329.678 | 104.123 | 35.920 | 24.587 |
| 1972 | 7.297 | 546.092 | 1.441.556 | 339.252 | 109.120 | 37.445 | 25.824 |
| 1973 | 7.463 | 606.505 | 1.535.701 | 352.119 | 107.457 | 40.415 | 28.066 |
| 1974 | 7.587 | 672.867 | 1.691.078 | 362.670 | 109.956 | 46.087 | 32.229 |
| 1975 | 7.843 | 750.034 | 1.900.154 | 390.973 | 117.584 | 49.673 | 34.981 |
| 1976 | 8.265 | 827.729 | 2.136.067 | 451.426 | 123.555 | 53.130 | 37.681 |
| 1977 | 9.395 | 887.581 | 2.339.835 | 526.070 | 134.012 | 59.414 | 42.439 |
| 1978/79 | 9.505 | 1.025.073 | 2.673.976 | 618.375 | 149.364 | 66.155 | 47.441 |
| 1979/80 | 9.805 | 1.156.287 | 2.982.592 | 629.554 | 163.578 | 72.398 | 57.869 |
| 1980/81 | 10.956 | 1.325.636 | 3.412.116 | 772.207 | 202.062 | 82.359 | 66.510 |
| 1981/82 | 12.037 | 1.450.761 | 3.809.348 | 850.181 | 215.879 | 91.453 | 75.798 |
| 1982/83 | 12.739 | 1.597.452 | 4.272.867 | 999.159 | 247.244 | 102.105 | 75.856 |
| 1983/84 | 14.544 | 1.775.850 | 4.757.608 | 1.168.166 | 275.680 | 113.606 | 89.705 |
| 1984/85 | 15.600 | 1.954.245 | 5.188.964 | 1.274.465 | 308.149 | 123.945 | 92.850 |
| 1985/86 | 16.860 | 2.130.112 | 5.669.966 | 1.356.559 | 339.387 | 135.723 | 10.078 |
| 1986/87 | 18.575 19.708 | 2.181.000 2.238.032 | 6.132.057 | 1.597.620 | 376.612 | 148.075 | 116.036 |
| 1987/88 | | | 6.422.423 6.446.966 | 1.719.463 1.917.117 | 401.748 | 149.782 163.745 | 119.472 |
| 1988/89 1989/90 | 20.334 20.985 | 2.191.826 2.009.048 | 5.852.507 | 1.802.100 | 412.412 467.122 | 153.756 | 135.442 129.582 |
| 1999/90 | 20.963 | 2.012.712 | 5.686.118 | 1.701.875 | 409.739 | 149.486 | 127.866 |
| 1991/92 | 19.973 | 1.999.221 | 5.604.515 | 1.663.141 | 389.549 | 147.991 | 139.135 |
| 1992/93 | 18.601 | 2.014.324 | 5.577.040 | 1.640.555 | 382.748 | 146.229 | 130.694 |
| 1993/94 | 18.583 | 2.207.230 | 5.890.551 | 1.592.627 | 380.072 | 151.978 | 138.293 |
| 1994/95 | 19,442 | 2.389.816 | 6.392.417 | 1.659.628 | 392,588 | 162.035 | 150.032 |
| 1995/96 | 19.968 | 2.548.850 | 6.945.433 | 1.740.106 | 412.065 | 171.219 | 161.248 |
| 1996/97 | 20.544 | 2.795.075 | 7.533.300 | 1.981.201 | 430.981 | 187.153 | 165.871 |
| 1997/98 | 20.777 | 2.571.856 | 7.596.386 | 2.119.424 | 434.599 | 191.384 | 172.557 |
| 1998/99 | 20.960 | 2.559.796 | 7.564.628 | 2.315.116 | 452.444 | 190.185 | 176.406 |
| 1999/00 | 20.866 | 2.595.746 | 7.600.093 | 2.246.999 | 441.174 | 189.164 | 174.628 |
| 2000/01 | 20.721 | 2.605.413 | 7.584.707 | 2.281.432 | 463.864 | 192.711 | 177.594 |
| 2001/02 | 20.842 | 2.544.849 | 7.466.458 | 2.316.779 | 455.985 | 189.771 | 178.286 |
| 2002/03 | 20.918 | 2.495.335 | 7.447.270 | 2.249.932 | 445.830 | 194.202 | 187.480 |
| 2003/04 | 21.256 | 2.532.185 | 7.523.318 | 2.301.584 | 469.055 | 197.808 | 195.178 |
| 2004/05 | 22.274 | 2.611.108 | 7.553.086 | 2.368.339 | 520.351 | 203.560 | 198.624 |
| 2005/06 | 23.853 | 2.935.175 | 8.073.389 | 2.265.982 | 616.364 | 223.723 | 202.894 |
| 2006/07 | 24.686 | 3.035.713 | 8.439.762 | 2.436.506 | 624.726 | 230.994 | 233.002 |
| 2007/08 | 26.277 | 3.040.317 | 8.639.966 | 2.505.907 | 621.878 | 235.849 | 244.116 |
| 2008/09 | 28.777 | 3.156.308 | 8.992.619 | 2.563.220 | 629.036 | 252.184 | 254.855 |
| 2009/10 2010/11 | 29.866 | 3.145.012 3.191.899 | 9.255.006 | 2.673.362 | 636.948 | 259.191 | 251.568 |
| | 30.290 | | 9.346.454 | 2.934.123 | 647.145 | 272.300 | 274.488 |
| 2011/12 | 33.668 | 3.345.075 | 9.425.336 | 3.119.322 | 513.831 | 274.566 | 271.865 |

Graph 2.6 Number of Schools and Teachers Junior Secondary School Year 1969-2012/2013



Graph 2.7
Number of New Entrants, Pupils, and Graduates
Junior Secondary School
Year 1969-2012/2013

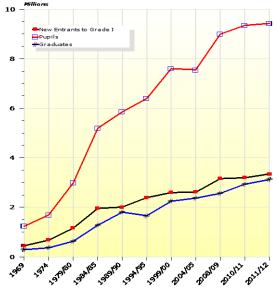
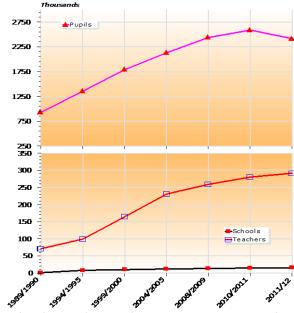


Table 2.5 Number of Schools, Pupils, and Teachers Islamic Junior Secondary School (IJSS) Year 1989/1990-2012/2013

| Voor | | Schools | | | Pupils | | | Teachers | |
|---------|--------|---------|--------|---------|-----------|-----------|--------|----------|---------|
| Year - | Public | Private | Total | Public | Private | Total | Public | Private | Total |
| 1989/90 | 580 | 603 | 1.183 | 221.388 | 705.091 | 926.479 | 13.265 | 57.916 | 71.181 |
| 1990/91 | 609 | 666 | 1.275 | 232.006 | 753.520 | 985.526 | 13.396 | 61.594 | 74.990 |
| 1991/92 | 636 | 674 | 1.310 | 241.449 | 811.082 | 1.052.531 | 15.356 | 60.982 | 76.338 |
| 1992/93 | 647 | 6.879 | 7.526 | 267.229 | 897.671 | 1.164.900 | 15.851 | 62.950 | 78.801 |
| 1993/94 | 582 | 7.499 | 8.081 | 301.465 | 940.518 | 1.241.983 | 17.026 | 97.469 | 114.495 |
| 1994/95 | 582 | 7.547 | 8.129 | 329.892 | 1.023.337 | 1.353.229 | 17.717 | 81.589 | 99.306 |
| 1995/96 | 756 | 7.365 | 8.121 | 354.818 | 1.102.920 | 1.457.738 | 21.933 | 95.337 | 117.270 |
| 1996/97 | 831 | 8.460 | 9.291 | 401.361 | 1.305.230 | 1.706.591 | 23.639 | 110.147 | 133.786 |
| 1997/98 | 1.141 | 9.549 | 10.690 | 427.735 | 2.350.229 | 2.777.964 | 28.963 | 103.058 | 132.021 |
| 1998/99 | 1.131 | 9.511 | 10.642 | 420.959 | 1.354.985 | 1.775.944 | 29.004 | 91.400 | 120.404 |
| 1999/00 | 1.178 | 8.672 | 9.850 | 473.548 | 1.314.258 | 1.787.806 | 30.181 | 134.103 | 164.284 |
| 2000/01 | 1.167 | 9.198 | 10.365 | 486.772 | 1.366.738 | 1.853.510 | 28.857 | 135.531 | 164.388 |
| 2001/02 | 1.167 | 9.624 | 10.791 | 504.411 | 1.457.100 | 1.961.511 | 30.515 | 161.764 | 192.279 |
| 2002/03 | 1.168 | 10.236 | 11.404 | 508.521 | 1.558.226 | 2.066.747 | 32.005 | 168.200 | 200.205 |
| 2003/04 | 1.239 | 10.467 | 11.706 | 516.788 | 1.564.788 | 2.081.576 | 33.494 | 174.635 | 208.129 |
| 2004/05 | 1.258 | 10.790 | 12.048 | 528.491 | 1.600.225 | 2.128.716 | 34.769 | 195.973 | 230.742 |
| 2005/06 | 1.264 | 11.234 | 12.498 | 529.598 | 1.683.534 | 2.213.132 | 37.641 | 190.050 | 227.691 |
| 2006/07 | 1.256 | 11.363 | 12.619 | 544.552 | 1.754.838 | 2.299.390 | 36.886 | 180.367 | 217.253 |
| 2007/08 | 1.259 | 11.624 | 12.883 | 558.100 | 1.789.086 | 2.347.186 | 43.389 | 211.669 | 255.058 |
| 2008/09 | 1.384 | 11.908 | 13.292 | 591.761 | 1.845.501 | 2.437.262 | 41.919 | 217.072 | 258.991 |
| 2009/10 | 1.418 | 12.604 | 14.022 | 610.348 | 1.931.491 | 2.541.839 | 43.031 | 235.186 | 278.217 |
| 2010/11 | 1.467 | 13.320 | 14.787 | 622.285 | 1.964.821 | 2.587.106 | 44.558 | 235.554 | 280.112 |
| 2011/12 | 1.437 | 14.170 | 15.607 | 608.919 | 1.805.918 | 2.414.837 | 44.229 | 247.235 | 291.464 |

Source: Directorate of Development of Islamic Schools, Directorate General of Development of Islamic Institutions, MoRA

Graph 2.8 Number of Schools, Pupils, and Teachers Islamic Junior Secondary School Year 1989/1990-2012/2013



The nine-year compulsory basic education is meant to give sufficient opportunities to Indonesian citizens to obtain basic education. In this connection, the extension from 6 years to 9 years of basic education is also intended to alleviate the problem of child labor and to keep children in school up to the point that they are able to keep up with the changing demands of society, especially those who cannot afford to pursue higher levels of education.

The component of basic education curriculum consist of: religious education, citizenship education, Indonesian language, English, mathematics, physics, social science, art and culture, sport and health education, local content, and self-development (Table 2.6 for Primary School and Table 2.7 for Junior secondary school).

Table 2.6
Primary School Curriculum Structure

| No | Component | Cla | ass and Al | located Tir | ne |
|-----|--------------------------|-----|------------|-------------|-------|
| No. | Component | I | II | III | IV-VI |
| Α. | Subject matter | | | | |
| 1. | Religious Education | | | | 3 |
| 2. | Citizenship Education | | | | 2 |
| 3. | Indonesian Language | | | | 5 |
| 4. | Mathematics | | | | 5 |
| 5. | Physics | | | | 4 |
| 6. | Social Science | | | | 3 |
| 7. | Craft, Arts, and Culture | | | | 4 |
| 8. | Sports and Health | | | | 4 |
| B. | Local Contents | | | | 2 |
| C. | Self-Development | | | | 2*) |
| | Total | 26 | 27 | 28 | 32 |

Table 2.7 Junior Secondary School Curriculum Structure

| | | Class a | nd Allocate | ed Time |
|-----|--------------------------|---------|-------------|---------|
| No. | Component | VII | VIII | IX |
| A. | Subject matter | | | |
| 1. | Religious Education | 2 | 2 | 2 |
| 2. | Citizenship Education | 2 | 2 | 2 |
| 3. | Indonesian Language | 4 | 4 | 4 |
| 4. | English | 4 | 4 | 4 |
| 5. | Mathematics | 4 | 4 | 4 |
| 6. | Physics | 4 | 4 | 4 |
| 7. | Social Science | 4 | 4 | 4 |
| 8. | Arts/Culture | 2 | 2 | 2 |
| 9. | Sports and Health | 2 | 2 | 2 |
| 10. | Skills/ Information and | 2 | 2 | 2 |
| | Communication Technology | | | |
| В. | Local Contents | 2 | 2 | 2 |
| C. | Self-Development | 2*) | 2*) | 2*) |
| | Total | 32 | 32 | 32 |

Legend: *) It is equivalent to 2 learning hours

ICT = information and communication technology

b. Senior Secondary Education

Secondary education is the continuation of basic education. Secondary education comprises general senior secondary education and vocational senior secondary education.

Table 2.8

Number of Schools, New Entrants to Grade I, Pupils, Graduates,
Teachers, Classes, and Owned Classrooms
Senior Secondary School (SSS)
Year 1969-2012/2013

| Academic | Schools | New Entrants to Grade I | Pupils | Graduates | Teachers | Classes | Owned Class- |
|--------------------|------------------|-------------------------------|------------------------|------------------------|--------------------|--------------------|--------------------|
| Year 1969 | 2,472 | 19.680 | 462,777 | 12.300 | 38.757 | 15.920 | 9.850 |
| 1970 | 2.472 | 22.170 | 598.110 | 13.860 | 49.725 | 18.115 | 11.260 |
| 1971 | 2.699 | 24.159 | 651.671 | 15.105 | 55.756 | 21.020 | 12.765 |
| | | | | | | | |
| 1972 | 2.820 | 249.836 | 664.612 | 154.052 | 60.790 | 21.105 | 13.195 |
| 1973 | 2.843 | 251.673 | 683.945 | 157.038 | 61.043 | 21.370 21.956 | 14.160 |
| 1974 1975 | 2.841 2.979 | 277.066 320.732 | 723.643 795.423 | 173.315 184.520 | 61.566 64.514 | 21.956 | 15.225 15.805 |
| 1976 | 3.141 | 380.498 | 933.033 | 189.784 | 69.288 | 26.025 | 18.270 |
| 1977 | 3.360 | 444.125 | 1.108.079 | 221.791 | 75.772 | 30.951 | 21.610 |
| 1978/79 | 3.681 | 510.154 | 1.290.044 | 257.676 | 85.939 | 34.185 | 24.041 |
| 1979/80 | 4.534 | 626,482 | 1.573.594 | 330.029 | 102.754 | 41.196 | 31.064 |
| 1980/81 | 4.901 | 682.319 | 1.751.015 | 381.645 | 127.114 | 45.164 | 33.954 |
| 1981/82 | 5.733 | 780.929 | 2.022.085 | 452.620 | 139.628 | 51.338 | 41.141 |
| 1982/83 | 5.973 | 854.665 | 2.261.242 | 525.841 | 157.620 | 57.107 | 42.446 |
| 1983/84 | 6.774 | 1.021.290 | 2.588.100 | 606.410 | 179.947 | 65.829 | 49.052 |
| 1984/85 | 7.337 | 1.072.987 | 2.855.502 | 667.957 | 195.627 | 70.657 | 51.197 |
| 1985/86 | 8.101 | 1.142.487 | 3.130.844 | 747.494 | 217.822 | 77.380 | 55.899 |
| 1986/87 | 9.265 | 1.325.543 | 3.498.989 | 949.798 | 250.896 | 88.534 | 68.706 |
| 1987/88 | 10.065 | 1.433.185 | 3.817.893 | 974.471 | 277.128 | 93.280 | 69.935 |
| 1988/89 | 10.683 | 1.389.186 | 3.918.920 | 1.048.841 | 291.587 | 101.363 | 76.877 |
| 1989/90 | 11.550 | 1.401.633 | 4.030.864 | 1.082.440 | 347.425 | 104.136 | 84.586 |
| 1990/91 1991/92 | 11.490 11.248 | 1.330.084 1.375.655 | 3.900.667 3.840.983 | 1.131.067 1.195.483 | 327.383 307.495 | 104.412 104.382 | 90.171 89.787 |
| 1991/92 | 10.410 | 1.310.751 | 3.766.650 | 1.169.382 | 298.451 | 104.362 | 87.325 |
| 1993/94 | 10.698 | 1.327.742 | 3.782.700 | 1.127.906 | 296.272 | 100.054 | 90.783 |
| 1994/95 | 11.495 | 1.500.260 | 4.042.442 | 1.142.518 | 316.479 | 108.304 | 96.278 |
| 1995/96 | 11.714 | 1.565.072 | 4.225.823 | 1.145.866 | 327.407 | 115.065 | 101.234 |
| 1996/97 | 11.959 | 1.653.158 | 4.451.385 | 1.218.810 | 337.805 | 118.471 | 109.041 |
| 1997/98 | 12.111 | 1.580.468 | 4.538.050 | 1.204.103 | 337.503 | 119.866 | 106.521 |
| 1998/99 | 12.009 | 1.608.538 | 4.688.575 | 1.292.905 | 344.046 | 121.128 | 108.477 |
| 1999/00 | 12.069 | 1.661.630 | 4.778.925 | 1.411.378 | 346.783 | 123.265 | 108.785 |
| 2000/01 | 12.409 | 1.707.353 | 4.872.451 | 1.446.264 | 354.690 | 124.523 | 110.433 |
| 2001/02 | 12.307 | 1.794.374 | 5.051.640 | 1.483.557 | 351.243 | 132.727 | 120.901 |
| 2002/03 | 12.979 | 1.875.990 | 5.243.483 | 1.529.448 | 364.968 | 140.192 | 124.417 |
| 2003/04 | 13.353 | 1.895.704 | 5.399.547 | 1.590.768 | 392.860 | 144.414 | 136.832 |
| 2004/05 | 14.564 | 1.956.330 | 5.566.683 | 1.619.554 | 421.100 | 150.805 | 138.520 |
| 2005/06 | 15.342 | 2.034.264 | 5.729.347 | 1.700.115 | 469.360 | 157.791 | 150.504 |
| 2006/07 2007/08 | 16.314 16.985 | 2.172.546 2.393.972 | 5.975.878 6.497.855 | 1.717.820 1.729.077 | 494.909 536.639 | 164.207 175.906 | 159.446 169.202 |
| 2007/08 | 18.354 | 2.532.369 | 6.952.949 | 1.841.531 | 560.407 | 187.413 | 180.924 |
| 2009/10 | 19.435 | 2.594.225 | 7.261.844 | 1.988.429 | 597.564 | 200.900 | 191.044 |
| 2010/11 | 20.470 | 2.944.440 | 7.842.297 | 2.123.072 | 551.901 | 209.338 | 188.676 |
| 2011/12 | 21.910 | 2.906.401 | 8.215.624 | 2.360.573 | 440.168 | 239.012 | 228.458 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Secondary education takes the form of general senior secondary school (Sekolah Menengah Atas/SMA) as well as Islamic senior secondary school (Madrasah Aliyah/MA), and vocational senior secondary school (Sekolah Menengah Kejuruan/SMK), as well as Islamic vocational senior secondary

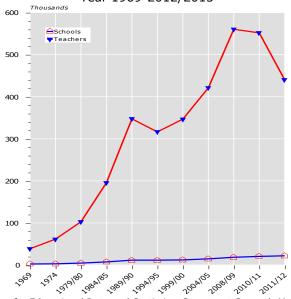
school (*Madrasah Aliyah Kejuruan*/MAK), or other schools of the same level (Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Article 18).

Senior secondary education is available to graduates of basic education. The objective of senior secondary education is

- to develop students' knowledge to continue their studies to higher levels of education and to develop themselves in accordance with the development of science, technology, and arts; and
- 2) to develop students' ability as members of the society to interact with their social, cultural and natural environment.

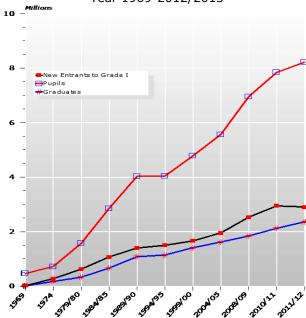
Table 2.8 shows the main data of senior secondary school. The number of senior secondary schools has grown rapidly since 1969. It was 2,472 in 1969 to 21,910 in 2012/2013. The growth of senior secondary schools was 8.86 times, new entrants were 147.68 times, pupils were 17.75 times, graduates were 191.92 times, teachers were 11.36 times, classes were 15.01 times and classrooms were 23.19 times (Graphs 2.9 and 2.10).

Graph 2.9
Number of Schools and Teachers
Senior Secondary School
Year 1969-2012/2013



Graph 2.10

Number of New Entrants, Pupils, and Graduates
Senior Secondary School
Year 1969-2012/2013



The types of senior secondary education include general secondary school, vocational secondary school, Islamic secondary school, and special secondary school. Based on Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, of Article 15 explanation:

- 1) Vocational education is secondary education program for preparing learners for a specific job;
- Islamic education is basic, secondary, and higher education programs which prepare learners to perform their role, requiring the acquisition of religious knowledge, and/or to become a religious scholar;
- Special education is provision of education program for the disabled and/or the gifted learners, organized inclusively or exclusively at basic and secondary level of schooling.

Table 2.9 shows the main data of General Senior Secondary Education (GSSS). It gives priority to expansion knowledge and developing students' skills and preparing them to continue their studies to higher levels of education. The number of general senior secondary schools has grown rapidly since 1969. It was 1,194 in 1969 to 11,654 in 2012/2013. The growth of general senior secondary schools was 9.76 times, new entrants were

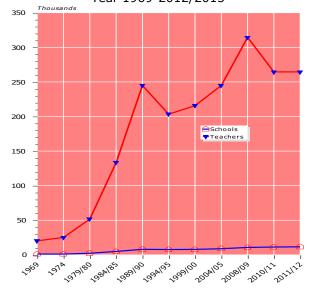
18.67 times, pupils were 16.17 times, graduates were 39.28 times, teachers were 13.06 times, classes were 15.46 times and owned classrooms were 24.50 times (Graphs 2.11 and 2.12).

Table 2.9

Number of Schools, New Entrants to Grade I, Pupils, Graduates,
Teachers, Classes, and Owned Classrooms
General Senior Secondary School (GSSS)
Year 1969-2012/2013

| Academic Year | Schools | New Entrants to Grade I | Pupils | Graduates | Teachers | Classes | Owned Class- Rooms |
|--------------------|-----------------|-------------------------------|------------------------|------------------------|--------------------|--------------------|--------------------------|
| 1969 | 1.194 | 75.700 | 259,473 | 32,435 | 20.261 | 7.900 | 4.730 |
| 1970 | 1.205 | 83.490 | 278.300 | 40.225 | 23.590 | 8.490 | 5.005 |
| 1971 | 1.193 | 95.115 | 290.002 | 57.750 | 24.536 | 8.930 | 5.390 |
| 1972 | 1.127 | 95.724 | 292.995 | 59.872 | 25.528 | 9.070 | 5.590 |
| 1973 | 1.143 | 97.933 | 302.863 | 63.359 | 25.406 | 9.275 | 5.930 |
| 1974 | 1.154 | 118.895 | 318.996 | 77.553 | 25.191 | 9.442 | 6.300 |
| 1975 | 1.225 | 134.193 | 344.955 | 81.090 | 27.331 | 9.713 | 6.715 |
| 1976 | 1.292 | 165.782 | 401.062 | 85.340 | 28.813 | 11.134 | 7.965 |
| 1977 | 1.364 | 204.558 | 491.860 | 97.232 | 31.750 | 13.101 | 9.705 |
| 1978/79 | 1.579 | 251.659 | 603.757 | 109.832 | 36.812 | 15.497 | 1.162 |
| 1979/80 | 2.327 | 358.725 | 843.398 | 154.460 | 51.713 | 21.216 | 16.355 |
| 1980/81 | 2.703 | 441.697 | 1.036.016 | 186.786 | 69.522 | 25.086 | 18.761 |
| 1981/82 | 3.378 | 521.026 | 1.286.464 | 234.033 | 82.135 | 30.744 | 24.096 |
| 1982/83 | 3.667 | 572.595 | 1.504.318 | 298.601 | 97.508 | 35.933 | 25.068 |
| 1983/84 | 4.458 | 709.221 | 1.770.891 | 397.632 | 116.568 | 44.461 | 31.528 |
| 1984/85 1985/86 | 4.979 5.583 | 701.665 738.537 | 1.940.263 2.105.648 | 455.846 518.853 | 133.308 148.935 | 46.511 51.309 | 34.029 37.624 |
| 1986/87 | 6.430 | 860.353 | 2.280.962 | 678.835 | 171.100 | 56.951 | 47.093 |
| 1987/88 | 6.973 | 932.559 | 2.480.823 | 648.003 | 190.272 | 60.042 | 46.946 |
| 1988/89 | 7.404 | 934.061 | 2.600.053 | 678.694 | 200.509 | 66.125 | 52.091 |
| 1989/90 | 8.010 | 955.193 | 2.723.889 | 704.007 | 244.817 | 70.057 | 56.911 |
| 1990/91 | 8.016 | 879.992 | 2.610.253 | 751.675 | 223.118 | 69.357 | 60.772 |
| 1991/92 | 8.019 | 899.879 | 2.583.168 | 826.798 | 212.282 | 70.002 | 60.772 |
| 1992/93 | 7.260 | 823.350 | 2.483.001 | 821.923 | 203.408 | 65.352 | 60.687 |
| 1993/94 | 7.489 | 828.613 | 2.427.174 | 779.008 | 198.488 | 66.632 | 61.504 |
| 1994/95 | 7.735 | 911.773 | 2.471.584 | 736.934 | 203.374 | 65.524 | 64.987 |
| 1995/96 1996/97 | 7.901 8.065 | 974.133 988.758 | 2.577.341 2.684.224 | 742.465 750.809 | 208.943 214.289 | 69.788 69.092 | 68.660 66.398 |
| 1996/97 | 8.140 | 957.725 | 2.742.607 | 750.609 | 214.269 | 69.092 | 65.722 |
| 1998/99 | 7.936 | 980.475 | 2.838.085 | 790.703 | 210.137 | 69.888 | 66.101 |
| 1999/00 | 7.900 | 995.747 | 2.896.864 | 843.907 | 215.676 | 70.817 | 65.246 |
| 2000/01 | 7.980 | 1.014.530 | 2.938.514 | 876.452 | 218.613 | 71.776 | 66.606 |
| 2001/02 | 7.785 | 1.055.435 | 3.024.176 | 905.059 | 216.364 | 78.705 | 76.255 |
| 2002/03 | 8.036 | 1.119.158 | 3.143.730 | 935.127 | 222.295 | 82.438 | 78.412 |
| 2003/04 | 8.238 | 1.139.742 | 3.257.973 | 963.410 | 229.906 | 86.145 | 83.569 |
| 2004/05 | 8.899 | 1.176.740 | 3.402.615 | 978.657 | 244.839 | 91.692 | 84.630 |
| 2005/06 | 9.317 | 1.222.049 | 3.497.420 | 1.065.592 | 267.419 | 96.498 | 93.840 |
| 2006/07 2007/08 | 9.892 10.239 | 1.267.916 | 3.574.146 | 1.076.154 | 285.818 | 100.324 106.636 | 99.384 |
| 2007/08 | 10.239 | 1.337.862 1.328.683 | 3.758.893 3.857.245 | 1.043.095 1.088.619 | 305.852 314.389 | 110.966 | 105.124 108.305 |
| 2008/09 | 11.036 | 1.374.807 | 3.942.776 | 1.163.207 | 327.163 | 114.064 | 112.876 |
| 2010/11 | 11.306 | 1.500.923 | 4.105.139 | 1.196.285 | 264.512 | 112.039 | 108.698 |
| | | 1.000.020 | | 1.150.205 | 201.012 | 000 | 100.000 |

Graph 2.11 Number of Schools and Teachers General Senior Secondary School Year 1969-2012/2013



Graph 2.12 Number of New Entrants, Pupils, and Graduates General Senior Secondary School Year 1969-2012/2013

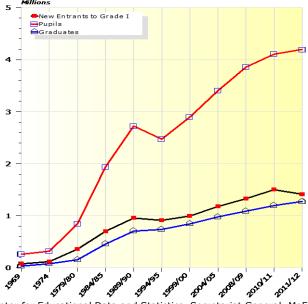
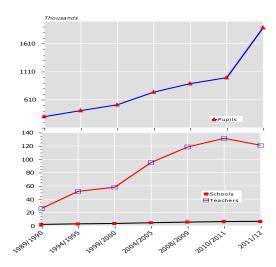


Table 2.10 Number of Schools, Pupils, and Teachers Islamic Senior Secondary School (ISSS) Year 1989/1990-2012/2013

| Year - | | Schools | | | Pupils | | | Teachers | |
|---------|--------|---------|-------|---------|-----------|-----------|--------|----------|---------|
| Teal | Public | Private | Total | Public | Private | Total | Public | Private | Total |
| 1989/90 | 271 | 1.883 | 2.154 | 119.368 | 188.154 | 307.522 | 5.695 | 20.546 | 26.241 |
| 1990/91 | 300 | 2.371 | 2.671 | 128.480 | 203.942 | 332.422 | 6.385 | 23.096 | 29.481 |
| 1991/92 | 344 | 2.199 | 2.543 | 137.346 | 223.550 | 360.896 | 6.990 | 24.280 | 31.270 |
| 1992/93 | 367 | 1.249 | 1.616 | 151.732 | 247.018 | 398.750 | 7.106 | 24.693 | 31.799 |
| 1993/94 | 350 | 2.573 | 2.923 | 171.426 | 238.037 | 409.463 | 12.007 | 21.799 | 33.801 |
| 1994/95 | 350 | 2.701 | 3.051 | 173.480 | 241.286 | 414.766 | 11.632 | 40.215 | 51.847 |
| 1995/96 | 451 | 2.629 | 3.080 | 191.542 | 258.579 | 450.121 | 14.389 | 42.185 | 56.574 |
| 1996/97 | 525 | 2.793 | 3.318 | 205.193 | 275.505 | 480.698 | 19.683 | 38.146 | 57.829 |
| 1997/98 | 558 | 2.977 | 3.535 | 211.628 | 273.010 | 484.638 | 24.026 | 34.867 | 58.893 |
| 1998/98 | 597 | 3.027 | 3.624 | 202.934 | 270.480 | 473.414 | 21.480 | 31.883 | 53.363 |
| 1999/00 | 601 | 2.977 | 3.578 | 247.876 | 271.182 | 519.058 | 15.254 | 42.701 | 57.955 |
| 2000/01 | 575 | 3.130 | 3.705 | 267.726 | 338.427 | 606.153 | 16.201 | 40.980 | 57.181 |
| 2001/02 | 577 | 3.195 | 3.772 | 286.308 | 374.796 | 661.104 | 17.154 | 50.474 | 67.628 |
| 2002/03 | 575 | 3.428 | 4.003 | 291.608 | 406.696 | 698.304 | 17.849 | 57.767 | 75.616 |
| 2003/04 | 579 | 3.860 | 4.439 | 289.912 | 436.981 | 726.893 | 18.543 | 65.059 | 83.602 |
| 2004/05 | 595 | 4.091 | 4.686 | 297.014 | 447.688 | 744.702 | 19.105 | 76.013 | 95.118 |
| 2005/06 | 668 | 4.284 | 4.952 | 298.681 | 483.260 | 781.941 | 23.749 | 78.579 | 102.328 |
| 2006/07 | 644 | 4.399 | 5.043 | 302.130 | 515.790 | 817.920 | 22.514 | 75.472 | 97.986 |
| 2007/08 | 644 | 4.754 | 5.398 | 307.229 | 548.324 | 855.553 | 26.146 | 91.662 | 117.808 |
| 2008/09 | 735 | 4.913 | 5.648 | 319.011 | 576.823 | 895.834 | 22.135 | 96.306 | 118.441 |
| 2009/10 | 748 | 5.149 | 5.897 | 319.499 | 597.728 | 917.227 | 23.084 | 104.720 | 127.804 |
| 2010/11 | 769 | 5.657 | 6.426 | 334.587 | 667.411 | 1.001.998 | 23.737 | 107.686 | 131.423 |
| 2011/12 | 758 | 6015 | 6773 | 680.152 | 1.214.176 | 1.894.328 | 26.422 | 94.560 | 120.982 |

Source: Directorate of Development of Islamic Schools, Directorate General of Development of Islamic Institutions, MoRA

2.13 Number of Schools, Pupils, and Teachers Islamic Senior Secondary School Year 1989/1990-2012/2013



The same as general senior secondary school, Islamic school in Table 2.10 also shows the increased of its quantity. During around 23 years, the number of schools increased 3.14 times, the number of pupils rose 6.16 times and the number of teachers rose 4.61 times (Graph 2.13). This shows that the parents become aware of the importance role of senior

secondary schools as a tool in continuing their children studies to higher levels of education.

Vocational senior secondary education (VSSS) gives priority to expanding specific occupational skills and emphasizes the preparation of students to enter the world of work and expanding their professional attitude. Based on Indonesia Law Number 20, Year 2003 on National Education System, Chapter VI, and Article 15 said that vocational education is secondary education program for preparing learners for a specific job.

Table 2.11

Number of Schools, New Entrants to Grade I, Pupils, Graduates,
Teachers, and Owned Classrooms

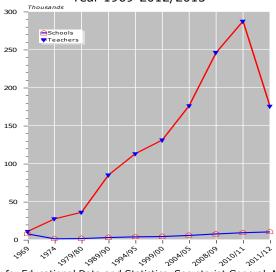
Vocational Senior Secondary School (VSSS)

Year 1969-2012/2013

| Academic Year | Schools | New Entrants to Grade I | Pupils | Graduates | Teachers | Classes | Owned Class- rooms |
|-------------------|---------|-------------------------------|-----------|-----------|----------|---------|--------------------------|
| 1969 | 760 | 46.075 | 143.919 | 25.905 | 10.886 | 3.830 | 2.260 |
| 1970 | 948 | 73.550 | 210.130 | 40.950 | 17.965 | 5.680 | 3.425 |
| 1971 | 1.007 | 103.384 | 266.616 | 54.500 | 22.962 | 7.565 | 4.475 |
| | | | | | | | |
| 1972 | 1.189 | 116.786 | 284.758 | 59.143 | 24.348 | 7.970 | 4.750 |
| 1973 | 1.216 | 124.582 | 302.114 | 64.279 | 26.063 | 8.575 | 5.150 |
| 1974 | 1.229 | 128.712 | 325.580 | 72.816 | 27.393 | 9.881 | 6.120 |
| 1975 | 1.279 | 135.687 | 347.621 | 79.933 | 27.562 | 9.978 | 6.200 |
| 1976 | 1.350 | 157.520 | 398.215 | 84.400 | 30.343 | 1.145 | 6.700 |
| 1977 | 1.400 | 169.524 | 435.645 | 98.909 | 32.048 | 12.363 | 7.715 |
| 1978/79 | 1.473 | 178.030 | 473.956 | 107.173 | 35.121 | 13.296 | 8.734 |
| 1979/80 | 1.537 | 176.347 | 488.450 | 128.021 | 36.003 | 13.997 | 9.871 |
| 1980/81 | 1.557 | 170.072 | 486.455 | 138.872 | 40.944 | 14.283 | 10.604 |
| 1981/82 | 1.652 | 190.447 | 503.463 | 144.559 | 40.096 | 14.706 | 11.602 |
| 1982/83 | 1.615 | 193.927 | 523.576 | 144.719 | 41.866 | 15.306 | 12.112 |
| 1983/84 | 1.614 | 214.595 | 564.873 | 141.334 | 45.791 | 16.367 | 11.752 |
| 1984/85 | 1.640 | 273.110 | 634.926 | 149.662 | 43.895 | 17.231 | 11.559 |
| 1985/86 | 1.781 | 303.453 | 727.970 | 148.851 | 48.716 | 18.848 | 12.306 |
| 1986/87 | 2.069 | 359.425 | 905.321 | 180.105 | 58.536 | 24.039 | 15.088 |
| 1987/88 | 2.362 | 405.559 | 1.032.000 | 232.306 | 65.624 | 25.640 | 16.448 |
| 1988/89 | 2.567 | 409.400 | 1.089.536 | 267.154 | 70.718 | 28.632 | 20.320 |
| 1989/90 | 2.841 | 446.440 | 1.169.876 | 285.664 | 85.005 | 29.912 | 21.684 |
| 1990/91 | 3.052 | 450.092 | 1.250.117 | 321.935 | 93.480 | 33.721 | 25.217 |
| 1991/92 | 3.229 | 475.776 | 1.257.815 | 368.685 | 95.213 | 34.380 | 26.496 |
| 1992/93 | 3.150 | 487.401 | 1.283.649 | 347.459 | 95.043 | 31.702 | 26.638 |
| 1993/94 | 3.209 | 499.129 | 1.355.526 | 348.898 | 97.784 | 37.418 | 29.279 |
| 1994/95 | 3.760 | 588.487 | 1.570.858 | 405.584 | 113.105 | 42.780 | 31.291 |
| 1995/96 | 3.813 | 613.825 | 1.648.482 | 430.245 | 118.464 | 45.277 | 32.574 |
| 1996/97 | 3.894 | 665.400 | 1.767.161 | 468.001 | 123.516 | 49.379 | 42.643 |
| 1997/98 | 3.971 | 622.743 | 1.795.443 | 459.550 | 127.366 | 50.635 | 40.799 |
| 1998/99 | 4.073 | 628.063 | 1.850.490 | 502.202 | 129.896 | 51.240 | 42.376 |
| 1999/00 | 4.169 | 665.883 | 1.882.061 | 567.471 | 131.107 | 52.448 | 43.539 |
| 2000/01 | 4.429 | 692.823 | 1.933.937 | 569.812 | 136.077 | 52.747 | 43.827 |
| 2001/02 | 4.522 | 738.939 | 2.027.464 | 578.498 | 134.879 | 54.022 | 44.646 |
| 2002/03 | 4.943 | 756.832 | 2.099.753 | 594.321 | 142.673 | 57.754 | 46.005 |
| 2003/04 | 5.115 | 755.962 | 2.141.574 | 627.358 | 162.954 | 58.269 | 53.263 |
| 2004/05 | 5.665 | 779.590 | 2.164.068 | 640.897 | 176.261 | 59.113 | 53.890 |
| 2005/06 | 6.025 | 812.215 | 2.231.927 | 634.523 | 201.941 | 61.293 | 56.664 |
| 2006/07 | 6.422 | 904.630 | 2.401.732 | 641.666 | 209.091 | 63.883 | 60.062 |
| 2007/08 | 6.746 | 1.056.110 | 2.738.962 | 685.982 | 230.787 | 69.270 | 64.078 |
| 2008/09 | 7.592 | 1.203.686 | 3.095.704 | 752.912 | 246.018 | 76.447 | 72.619 |
| 2009/10 | 8.399 | 1.219.418 | 3.319.068 | 825.222 | 270.401 | 86.836 | 78.168 |
| 2010/11 | 9.164 | 1.443.517 | 3.737.158 | 926.787 | 287.389 | 97.299 | 79.978 |
| 2011/12 Source | 10.256 | 1.493.178 for Education | 4.019.157 | 1.086.387 | 175.656 | 116.909 | 112.590 |

Graph 2.14

Number of Schools and Teachers Vocational Senior Secondary School
Year 1969-2012/2013

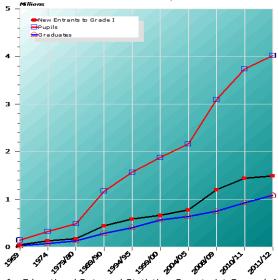


Graph 2.15

Number of New Entrants, Pupils, and Graduates

Vocational Senior Secondary School

Year 1969-2010/2011



Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Table 2.11 shows the main data of Vocational Senior Secondary School. The number of vocational senior secondary schools has grown rapidly since 1969. It was 760 in 1969 to 10,256 in 2012/2013. The growth of vocational senior

secondary schools was 13.49 times, new entrants were 32.41 times, pupils were 27.93 times, graduates were 41.94 times, teachers were 16.14 times, classes were 30.52 times and owned classrooms were 49.82 times (Graphs 2.14 and 2.15).

Table 2.12 General Senior secondary School (GSSS) Curriculum for Grade X

| No. | Commonant | Allocate | ed Time |
|-----|-------------------------------|------------|------------|
| NO. | Component | Semester 1 | Semester 2 |
| Α. | Subject matter | | |
| 1. | Religious Education | 2 | 2 |
| 2. | Citizenship Education | 2 | 2 |
| 3. | Indonesian Language | 4 | 4 |
| 4. | English | 4 | 4 |
| 5. | Mathematics | 4 | 4 |
| 6. | Physics | 2 | 2 |
| 7. | Chemistry | 2 | 2 |
| 8. | Biology | 2 | 2 |
| 9. | History | 1 | 1 |
| 10. | Geografy | 1 | 1 |
| 11. | Economics | 2 | 2 |
| 12. | Sosiology | 2 | 2 |
| 13. | Art and Culture | 2 | 2 |
| 14. | Sports and Health | 2 | 2 |
| 15. | Information and Communication | 2 | 2 |
| | Technology | | |
| 16. | Skills in Foreign Language | 2 | 2 |
| В. | Local Contents | 2 | 2 |
| C. | Self-Development | 2*) | 2*) |
| | Total | 38 | 38 |

Legend: *) It is equivalent to 2 hours of learning

Table 2.12 (Continued)
GSSS Curriculum Structure for Grade XI and XII
Physics Science Program

| No. | Component | Alocated Time | | | | |
|------|-------------------------------|---------------|----------|------|-------|--|
| INO. | Component | Grac | Grade XI | | e XII | |
| | | Smt 1 | Smt2 | Smt1 | Smt2 | |
| Α. | Subject matter | | | | | |
| 1. | Religious Education | 2 | 2 | 2 | 2 | |
| 2. | Citizenship Education | 2 | 2 | 2 | 2 | |
| 3. | Indonesian Language | 4 | 4 | 4 | 4 | |
| 4. | English | 4 | 4 | 4 | 4 | |
| 5. | Mathematics | 4 | 4 | 4 | 4 | |
| 6. | Physics | 4 | 4 | 4 | 4 | |
| 7. | Chemistry | 4 | 4 | 4 | 4 | |
| 8. | Biology | 4 | 4 | 4 | 4 | |
| 9. | History | 1 | 1 | 1 | 1 | |
| 10. | Art and Culture | 2 | 2 | 2 | 2 | |
| 11. | Sports and Health | 2 | 2 | 2 | 2 | |
| 12. | Information and Communication | 2 | 2 | 2 | 2 | |
| | Technology | | | | | |
| 13. | Skills in Foreign Language | 2 | 2 | 2 | 2 | |
| В. | Local Contents | 2 | 2 | 2 | 2 | |
| C. | Self-Development | 2*) | 2*) | 2*) | 2*) | |
| | Total | 39 | 39 | 39 | 39 | |

Legend: *) It is equivalent to 2 hours of learning

Table 2.12 (Continued) GSSS Curriculum Structure for Grade XI and XII Social Science Program

| No. | Component | Alocated Time | | | | | |
|------|-------------------------------|---------------|------|------|-------|--|--|
| INO. | Component | Grade XI | | Grad | e XII | | |
| | | Smt 1 | Smt2 | Smt1 | Smt2 | | |
| A. | Subject matter | | | | | | |
| 1. | Religious Education | 2 | 2 | 2 | 2 | | |
| 2. | Citizenship Education | 2 | 2 | 2 | 2 | | |
| 3. | Indonesian Language | 4 | 4 | 4 | 4 | | |
| 4. | English | 4 | 4 | 4 | 4 | | |
| | Mathematics | 4 | 4 | 4 | 4 | | |
| 6. | History | 3 | 3 | 3 | 3 | | |
| 7. | Geografy | 3 | 3 | 3 | 3 | | |
| 8. | Economics | 4 | 4 | 4 | 4 | | |
| 9. | Sosiology | 3 | 3 | 3 | 3 | | |
| 10. | Arts and Culture | 2 | 2 | 2 | 2 | | |
| 11. | Sports and Health | 2 | 2 | 2 | 2 | | |
| 12. | Information and Communication | 2 | 2 | 2 | 2 | | |
| | Technology | | | | | | |
| 13. | Skills in Foreign Language | 2 | 2 | 2 | 2 | | |
| B. | Local Contents | 2 | 2 | 2 | 2 | | |
| C. | Self-Development | 2*) | 2*) | 2*) | 2*) | | |
| | Total | 39 | 39 | 39 | 39 | | |

Legend: *) It is equivalent to 2 hours of learning

Table 2.12 (Continued) GSSS Curriculum Structure for Grade XI and XII Language Program

| No. | 6 | Alocated Time | | | | |
|-----|-------------------------------|---------------|-------|-----------|------|--|
| NO. | Component | Grad | le XI | Grade XII | | |
| | | Smt 1 | Smt2 | Smt1 | Smt2 | |
| Α. | Subject matter | | | | | |
| 1. | Religious Education | 2 | 2 | 2 | 2 | |
| 2. | Citizenship Education | 2 | 2 | 2 | 2 | |
| 3. | Indonesian Language | 5 | 5 | 5 | 5 | |
| 4. | English | 5 | 5 | 5 | 5 | |
| 5. | Mathematics | 3 | 3 | 3 | 3 | |
| 6. | Indonesian Letters | 4 | 4 | 4 | 4 | |
| 7. | Foreign Language | 4 | 4 | 4 | 4 | |
| 8. | Anthropology | 2 | 2 | 2 | 2 | |
| 9. | History | 2 | 2 | 2 | 2 | |
| 10. | Arts and Culture | 2 | 2 | 2 | 2 | |
| 11. | Sports and Health | 2 | 2 | 2 | 2 | |
| 12. | Information and Communication | 2 | 2 | 2 | 2 | |
| | Technology | | | | | |
| 13. | Skills in Foreign Language | 2 | 2 | 2 | 2 | |
| В. | Local Contents | 2 | 2 | 2 | 2 | |
| C. | Self-Development | 2*) | 2*) | 2*) | 2*) | |
| | Total | 39 | 39 | 39 | 39 | |

Legend: *) It is equivalent to 2 hours of learning

Table 2.12 (Continued) GSSS Curriculum Structure for Grade XI and XII Religious Program **)

| | | Alocated Time | | | | | |
|-----|--|---------------|-------|-----------|-------|--|--|
| No. | Component | Grad | le XI | Grade XII | | | |
| | · | Smt 1 | Smt 2 | Smt 1 | Smt 2 | | |
| A. | Subject matter | | | | | | |
| 1. | Religious Education | 2 | 2 | 2 | 2 | | |
| 2. | Citizenship Education | 2 | 2 | 2 | 2 | | |
| 3. | Indonesian Language | 4 | 4 | 4 | 4 | | |
| 4. | English | 4 | 4 | 4 | 4 | | |
| 5. | Mathematics | 4 | 4 | 4 | 4 | | |
| 6. | Tafsir dan Ilmu Tafsir | 3 | 3 | 3 | 3 | | |
| 7. | Ilmu Hadits | 3 | 3 | 3 | 3 | | |
| 8. | Ushul Figih | 3 | 3 | 3 | 3 | | |
| 9. | Tasawuf/Ilmu Kalam | 3 | 3 | 3 | 3 | | |
| 10. | Arts and Culture | 2 | 2 | 2 | 2 | | |
| 11. | Sports and Health | 2 | 2 | 2 | 2 | | |
| 12. | Information and Communication Technology | 2 | 2 | 2 | 2 | | |
| 13. | Skills in Foreign Language | 2 | 2 | 2 | 2 | | |
| В. | Local Contents | 2 | 2 | 2 | 2 | | |
| C. | Self-Development | 2*) | 2*) | 2*) | 2*) | | |
| | Total | 38 | 38 | 38 | 38 | | |

Legend: *) It is equivalent to 2 hours of learning
**) It is determined by Ministry of Religious Affairs

General Senior Secondary Education consists of two different types of education, i.e.; General Senior secondary School (GSSS) and Islamic Senior Secondary School (ISSS). The curriculum of general senior secondary education consists of subject matters, local contents, and self development. Example of curriculum structure for General Senior secondary School can be seen in Table 2.12. In relation to standardized curriculum, Islamic Senior Secondary Education (ISSS) gives special interests to the mastery of specific religious knowledge.

A unit of education which organizes vocational senior secondary education is called vocational senior secondary school (VSSS). VSSS programs are classified into seven different groups of vocational fields, i.e.: 1) Agriculture and Forestry; 2) Technology and Industry; 3) Business and Management; 4) Community Welfare; 5) Tourism; 6) Arts and Handicraft; and 7) Health.

The implementation of vocational education is based on national curriculum adjusted to the local and environmental needs, and distinctive features of the concerned related vocational education. The curriculum of vocational senior secondary school consists of subject matters, local contents, and self development.

Table 2.13
Curriculum Structure Vocational Senior secondary School

| No. | Component | Duration |
|------|--|------------|
| NO. | Component | (in hours) |
| A. | Subject matter | |
| 1. | Religious Education | 192 |
| 2. | Citizenship Education | 192 |
| 3. | Indonesian Language | 192 |
| 4. | English | 440 |
| 5. | Mathematics | |
| 5.1. | Mathematics for Arts, Tourism, and Domestic Technology | 330 |
| 5.2. | Mathematics for Social, Administration and Accountancy | 403 |
| 5.3. | Mathematics for Technology, Health and Agriculture | 516 |
| 6. | Physical Science Education | |
| 6.1 | Physical Science | 192 |
| 6.2 | Physics | |
| | 6.2.1 Physics for Agriculture | 192 |
| | 6.2.2 Physics for Technology | 276 |
| 6.3 | Chemistry | |
| | 6.3.1 Chemistry for Agriculture | 192 |
| | 6.3.2 Chemistry for Technology and Health | 192 |
| 6.4 | Biology | |
| | 6.4.1 Biology for Agriculture | 192 |
| | 6.4.2 Biology for Health | 192 |
| 7. | Social Science | 128 |
| 8. | Arts and Culture | 128 |
| 9. | Sports and Health | 192 |
| 10. | Vocation | |
| 10.1 | Computer Skills and Information Management | 202 |
| 10.2 | Enterpreuneurships | 192 |
| 10.3 | Basic Vocational Competency | 140 |
| 10.4 | Vocational Competency | 1.044 |
| B. | Local Contents | 192 |
| C. | Self-Development | 192 |

Legend:

- a) Duration is total number of hours which is used for each expertise program that needs longer time, the additional hours are integrated to the same subject matter excluded from the mentioned hours.
- It consists of some subject matter which is determined suited to the needs of expertise program.
- Basically, number of Vocational Competency hours fits well to the needs of working standard of competency applied in job-market however it can not less than 1044 hours.
- d) It is equivalent to 2 learning hours. (http://www.puskur.net/inc/si/11Kerangka_Dasar.pdf.2006).

The vocational programs that composes general, vocation, local contents and self development at forming an ability to develop and adapt in accordance with the development of science, technology and arts. The vocational subjects aim at generating a productive ability to be applied in the related field of work.

c. Higher Education

Higher education is a level of education after secondary education consisting of diploma, bachelor/graduate (sarjana), masters, specialized post-graduate programs, and doctorate programs imparted by a higher education institution. Higher education is provided in a flexible system (Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Part Eleven, and Article 19 to 25).

Higher education institutions take the form of academy, polytechnic, college for specialization (*sekolah tinggi*), institute, or university. Higher education provides education, research, and community services. Higher education institutions can run academic, professional, and/or vocational and technical programs (Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Part Eleven, article 20).

For participation to the global competitiveness, higher education has to be organizationally healthy, and at the same time also applies to institutions. A structural adjustment is needed to participate to the global competition and it is planned by the year of 2011 that a healthy higher education system will be created with the following characteristics.

First, higher education is effectively linked to student needs, develop their intellectual capability to become responsible citizens, and contribute to the nation's competitiveness. Second, research and post-graduate programs serving as the incubators and the needs of an adaptable, sustainable, knowledge-based economy; and integrate state-of-the-art technology to maximize accessibility to and applicability of advanced knowledge. Third, a system contributing to the development of a democratic, civilized, inclusive society, meets the criteria of accountability as well as responsibility to the public. Fourth, comprehensive financial structure nourishing participation of stakeholders (including local government), and is directly linking new investment with recurrent budget in the subsequent years.

Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Part Eight, Article 29, in-service education is professional education provided by related government departments or non-departmental government institutions. This type of education functions to enhance the ability and skills in carrying out the duties for government officials and for official candidates in related government departments or non-departmental government institutions and it is provided through formal education and non-formal education.

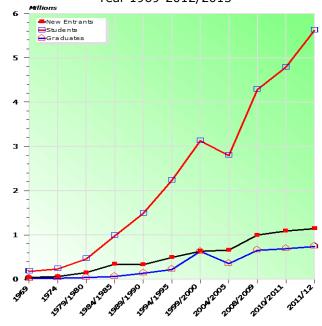
Table 2.14
Number of Institutions, New Entrants, Students, Graduates, and Lecturers, Higher Education (HE)
Year 1969-2012/2013

| Academic Year | Institutions | New Entrants | Students | Graduates | Lecturers |
|--------------------|----------------|----------------------|------------------------|--------------------|--------------------|
| 1969 | 205 | 39,340 | 176,900 | 16.700 | 30.500 |
| 1970 | 231 | 47.210 | 206.800 | 19.720 | 31.500 |
| 1971 | 259 | 49.920 | 213.200 | 20.535 | 32.400 |
| 1972 | 306 | 53.195 | 221.500 | 21.550 | 33.900 |
| | 331 | | | 22.320 | |
| 1973 | 351 | 57.410 | 227.100 | | 34.250 |
| 1974 | | 61.719 | 231.938 | 23.024 | 34.783 |
| 1975 | 381 | 71.596 | 250.126 | 22.147 | 37.510 |
| 1976 | 376 | 83.005 | 275.098 | 21.502 | 41.867 |
| 1977 | 379 | 99.635 | 305.071 | 23.761 | 46.368 |
| 1978/79 | 383 | 116.833 | 305.583 | 24.748 | 50.456 |
| 1979/80 | 383 | 150.926 | 457.633 | 38.336 | 50.087 |
| 1980/81 | 403 | 179.006 | 543.175 | 51.145 | 53.777 |
| 1981/82 | 378 | 189.852 | 596.781 | 73.421 | 61.142 |
| 1982/83 | 458 | 215.198 | 715.422 | 89.144 | 74.055 |
| 1983/84 | 478 | 224.573 | 823.925 | 80.943 | 73.839 |
| 1984/85 | 473 | 339.804 | 977.302 | 62.763 | 74.763 |
| 1985/86 | 630 | 299.388 | 1.048.885 | 73.325 | 78.779 |
| 1986/87 | 714 | 312.254 | 1.144.501 | 84.135 | 99.538 |
| 1987/88 | 793 | 310.621 | 1.179.489 | 121.862 | 115.359 |
| 1988/89 | 841 | 326.263 | 1.356.756 | 142.597 | 127.180 |
| 1989/90 | 901 | 329.472 | 1.485.894 | 135.151 | 132.364 |
| 1990/91 | 963 | 373.212 | 1.590.593 | 147.703 | 128.652 |
| 1991/92 | 1.001 | 383.027 | 1.773.459 | 149.401 | 134.729 |
| 1992/93 | 1.076 | 362.122 | 1.794.056 | 192.950 | 134.674 |
| 1993/94 | 1.173 | 480.862 | 2.043.380 | 217.180 | 132.467 |
| 1994/95 | 1.211 | 492.612 | 2.229.796 | 218.969 | 150.607 |
| 1995/96 | 1.305 | 546.295 | 2.303.768 | 273.395 | 157.695 |
| 1996/97 | 1.369 | 500.200 | 2.350.971 | 306.800 | 158.357 |
| 1997/98 | 1.442 | 618.600 | 2.382.802 | 393.400 | 181.544 |
| 1998/99 | 1.526 | 586.934 | 2.697.975 | 571.788 | 196.103 |
| 1999/00 | 1.634 | 630.167 | 3.126.307 | 628.853 | 194.828 |
| 2000/01 | 1.902 1.929 | 722.457 760.621 | 3.336.346 3.503.165 | 680.530 714.900 | 201.592 211.500 |
| 2001/02 | 1.929 | 776.059 | 2.844.627 | 714.900 434.398 | 199.810 |
| 2002/03 | | | | | |
| 2003/04 2004/05 | 2.428 2.472 | 1.125.284 658.036 | 3.744.927 2.790.391 | 683.374 353.174 | 193.014 168.236 |
| 2004/05 | | 639.063 | 2.691.810 | 323.902 | 173.487 |
| 2005/06 | 2.838 2.638 | 741.060 | 2.583.187 | 323.902 197.650 | 232.613 |
| 2006/07 | 2.680 | 1.090.417 | 3.805.287 | 292.485 | 250.357 |
| 2007/08 | 2.975 | 997.531 | 4.281.695 | 652.364 | 230.337 228.781 |
| 2008/09 | 3.011 | 1.024.379 | 4.337.039 | 655.012 | 233.390 |
| 2009/10 | 3.185 | 1.024.379 | 4.787.785 | 689.564 | 207.507 |
| 2010/11 | 3.170 | 1.142.835 | 5.616.670 | 738.260 | 192.944 |
| 2011/12 | 3.1/0 | 1.142.033 | 3.010.070 | /30.200 | 192.944 |

Graph 2.16 Number of Institutions and Lecturers **Higher Education** Year 1969-2012/2013



Graph 2.17 Number of New Entrants, Pupils, and Graduates Higher Education Year 1969-2012/2013



Higher education provided by the government is managed by: 1) Ministry of Education and Culture (MoEC); 2) Ministry of Religious Affair (MoRA); 3) Other ministries (such as the Military Academy managed by Ministry of Defense and the College for Civil Servants managed by Ministry of Home Affair); and 4) non-government agencies such as *Muhammadiyah*, Christian and Catholic Organization.

Table 2.14 shows the main data of higher education. The growth of higher education institutions between 1969 and 2012/2013 was 15.46 times. In absolute numbers, however, new entrants rose 29.05 times, enrollments multiplied 31.75 times, graduates rose 44.21 times, and lecturers increased 6.33 times at the same period (Graphs 2.16 and 2.17).

Table 2.15
Number of Institution, Students and Lecturers of Islamic Higher Education (IHE)
Year 1993/1994-2012/2013

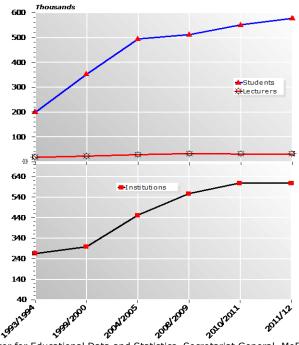
| Academic | I | nstitutions | | | Students | | | Lecturers | | |
|----------|--------|-------------|-------|---------|----------|---------|--------|-----------|--------|--|
| Year | Public | Private | Total | Public | Private | Total | Public | Private | Total | |
| 1993/94 | 14 | 251 | 265 | 138.228 | 61.074 | 199.302 | 7.296 | 10.608 | 17.904 | |
| 1994/95 | 14 | 251 | 265 | 253.305 | 61.703 | 315.008 | 8.499 | 10.752 | 19.251 | |
| 1995/96 | 14 | 251 | 265 | 278.614 | 67.862 | 346.476 | 9.342 | 11.817 | 21.159 | |
| 1996/97 | 47 | 251 | 265 | 286.336 | 68.368 | 354.704 | 9.806 | 12.308 | 22.114 | |
| 1997/98 | 47 | 251 | 298 | 284.557 | 68.365 | 352.922 | 9.806 | 12.308 | 22.114 | |
| 1998/99 | 47 | 251 | 298 | 282.996 | 71.053 | 254.049 | 9.678 | 12.817 | 22.495 | |
| 1999/00 | 47 | 251 | 298 | 282.528 | 69.920 | 352.448 | 10.104 | 12.816 | 22.920 | |
| 2000/01 | 47 | 251 | 298 | 280.100 | 68.800 | 348.900 | 10.236 | 12.984 | 23.220 | |
| 2001/02 | 47 | 251 | 298 | 284.200 | 70.600 | 354.800 | 10.380 | 13.320 | 23.700 | |
| 2002/03 | 47 | 251 | 298 | 296.215 | 72.765 | 368.980 | 10.512 | 12.637 | 23.149 | |
| 2003/04 | 47 | 108 | 155 | 147.954 | 337.123 | 485.077 | 10.204 | 49.630 | 15.167 | |
| 2004/05 | 50 | 402 | 452 | 156.985 | 336.913 | 493.898 | 11.167 | 17.463 | 28.630 | |
| 2005/06 | 50 | 476 | 526 | 157.214 | 340.014 | 497.228 | 11.605 | 16.910 | 28.515 | |
| 2006/07 | 50 | 501 | 551 | 165.917 | 356.083 | 522.000 | 11.676 | 18.260 | 29.936 | |
| 2007/08 | 52 | 494 | 546 | 175.578 | 394.489 | 570.067 | 13.362 | 22.408 | 35.770 | |
| 2008/09 | 52 | 505 | 557 | 157.612 | 353.567 | 511.179 | 13.226 | 19.657 | 32.883 | |
| 2009/10 | 52 | 522 | 574 | 201.341 | 349.353 | 550.694 | 13.557 | 16.311 | 29.868 | |
| 2010/11 | 52 | 557 | 609 | 242.746 | 333.770 | 576.516 | 14.893 | 16.237 | 31.130 | |
| 2011/12 | 52 | 557 | 609 | 242.746 | 333.770 | 576.516 | 14.893 | 16.237 | 31.130 | |

Source: Directorate of Development of Islamic Schools, Directorate General of Development of Islamic Institutions, MoRA

Among the reasons of the relatively slow growth in the institutions, an important factor remained, i.e. the vast majority of senior secondary school graduates opted for the job market and employment rather than studying in higher education.

The same as higher education, Islamic higher education in Table 2.15 also increased its quantity. During 19 years, the number of institutions increased 2.30 times, the number of students rose 2.89 times and the number of lecturers rose 1.74 times (Graph 2.18).

Graph 2.18
Number of Institutions, Students, and Lecturers
Islamic Higher Education
Year 1993/1994-2012/2013



d. Special Education and Education with Special Services

According to (Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Part Eleven, Article 32), special education is provided for learners who have difficulties in following the learning process because of physical, emotional, mental, and social deficiencies, and also for those with proven intelligence and especially gifted. In addition to that education with special services is provided for learners in the remote and less developed areas, isolated areas, and/or for learners who are victims of natural disasters, suffer from social deficiencies, and those who are economically disadvantaged.

Special education for disabled children is organized specifically for students who are suffering from physical, mental and/or behavioral disability. This education aimed at helping the physically and/or mentally disabled students to be able to develop attitude, knowledge, and mutual relationship with the social, cultural and natural environment and to develop their capability to compete in the job market or continue to higher levels of education. Such special education can be organized by

government and private institutions, i.e. the Ministry of Education and Culture, other ministries and non-governmental organizations.

Table 2.16 Number of Schools, Pupils, Teachers, and Ratios Special Education (SE) Year 1969-2012/2013

| Academic | Schools | Pupils | Teachers | | Ratio | |
|----------|---------|--------|----------|-------|-------|-------|
| Year | (S) | (P) | (T) | P/S | P/T | T/S |
| 1969 | 67 | 2.883 | 456 | 43,03 | 6,32 | 6,81 |
| 1970 | 79 | 3.790 | 670 | 47,97 | 5,66 | 8,48 |
| 1971 | 84 | 3.803 | 677 | 45,27 | 5,62 | 8,06 |
| 1972 | 94 | 3.874 | 698 | 41,21 | 5,55 | 7,43 |
| 1973 | 119 | 3.917 | 719 | 32,92 | 5,45 | 6,04 |
| 1974 | 138 | 4.245 | 860 | 30,76 | 4,94 | 6,23 |
| 1975 | 150 | 4.767 | 928 | 31,78 | 5,14 | 6,19 |
| 1976 | 172 | 5.627 | 1.002 | 32,72 | 5,62 | 5,83 |
| 1977 | 193 | 7.872 | 1.302 | 40,79 | 6,05 | 6,75 |
| 1978/79 | 217 | 8.878 | 1.395 | 40,91 | 6,36 | 6,43 |
| 1979/80 | 230 | 8.565 | 1.497 | 37,24 | 5,72 | 6,51 |
| 1980/81 | 241 | 9.575 | 1.617 | 39,73 | 5,92 | 6,71 |
| 1981/82 | 253 | 10.376 | 2.300 | 41,01 | 4,51 | 9,09 |
| 1982/83 | 308 | 12.421 | 2.441 | 40,33 | 5,09 | 7,93 |
| 1983/84 | 376 | 16.464 | 3.289 | 43,79 | 5,01 | 8,75 |
| 1984/85 | 350 | 17.550 | 3.479 | 50,14 | 5,04 | 9,94 |
| 1985/86 | 368 | 18.570 | 3.778 | 50,46 | 4,92 | 10,27 |
| 1986/87 | 378 | 18.970 | 3.978 | 50,19 | 4,77 | 10,52 |
| 1987/88 | 421 | 19.106 | 4.342 | 45,38 | 4,40 | 10,31 |
| 1988/89 | 447 | 19.859 | 4.959 | 44,43 | 4,00 | 11,09 |
| 1989/90 | 479 | 20.752 | 5.353 | 43,32 | 3,88 | 11,18 |
| 1990/91 | 519 | 22.628 | 5.520 | 43,60 | 4,10 | 10,64 |
| 1991/92 | 526 | 24.508 | 5.783 | 46,59 | 4,24 | 10,99 |
| 1992/93 | 536 | 25.514 | 5.835 | 47,60 | 4,37 | 10,89 |
| 1993/94 | 606 | 29.985 | 7.322 | 49,48 | 4,10 | 12,08 |
| 1994/95 | 644 | 31.844 | 7.444 | 49,45 | 4,28 | 11,56 |
| 1995/96 | 703 | 32.921 | 7.723 | 46,83 | 4,26 | 10,99 |
| 1996/97 | 768 | 34.685 | 8.115 | 45,16 | 4,27 | 10,57 |
| 1997/98 | 855 | 38.311 | 8.448 | 44,81 | 4,53 | 9,88 |
| 1998/99 | 847 | 36.849 | 8.836 | 43,51 | 4,17 | 10,43 |
| 1999/00 | 869 | 37.460 | 9.123 | 43,11 | 4,11 | 10,50 |
| 2000/01 | 875 | 38.827 | 9.327 | 44,37 | 4,16 | 10,66 |
| 2001/02 | 770 | 33.850 | 7.871 | 43,96 | 4,30 | 10,22 |
| 2002/03 | 791 | 35.316 | 8.304 | 44,65 | 4,25 | 10,50 |
| 2003/04 | 1.089 | 45.708 | 9.848 | 41,97 | 4,64 | 9,04 |
| 2004/05 | 1.248 | 53.192 | 11.977 | 42,62 | 4,44 | 9,60 |
| 2005/06 | 1.312 | 59.352 | 14.322 | 45,24 | 4,14 | 10,92 |
| 2006/07 | 1.390 | 63.397 | 15.098 | 45,61 | 4,20 | 10,86 |
| 2007/08 | 1.742 | 70.496 | 16.090 | 40,47 | 4,38 | 9,24 |
| 2008/09 | 1.686 | 73.122 | 18.047 | 43,37 | 4,05 | 10,70 |
| 2009/10 | 1.803 | 74.293 | 18.924 | 41,21 | 3,93 | 10,50 |
| 2010/11 | 1.783 | 85.542 | 16.102 | 47,98 | 5,31 | 9,03 |
| 2011/12 | 1.924 | 80.036 | 16.102 | 41,60 | 4,97 | 8,37 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC, Notes: P/S is ratio of pupils to schools, P/T is ratio of pupils to teachers, T/S is ratio of teachers to schools

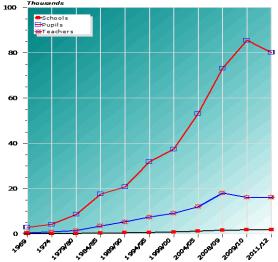
Physical disabilities include: 1) visual disabilities, i.e. eye disorder which results in blindness or in decrease of sight; 2)

hearing impaired, i.e. wholly or partially without hearing; and 3) other physical disabilities, i.e. physical disabilities which affect the motor, sensor, and mobility functions of the body. Mental disorders include minor and medium level mental disorder whereas behavioral deviations are disorders which affect difficulties for children to adjust to their environments, i.e. family, school, and society. Children could also have double disability, for both physical and mental.

The levels of special education consist of: 1) Special Kindergarten (SKG) of 1 to 2 years duration; 2) Special Primary School (SPS) of at least 6 years; 3) Special Junior Secondary School (SJSS) of at least 3 years; and 4) Special Senior Secondary School (SSSS) of at least 3 years.

Table 2.16 shows the main data of special school. Since 1969, special education for disabled children has increased in terms of its quantity (the numbers of schools, pupils, as well as teachers). In 42 years, the number of schools increased 28.72 times, the number of pupils rose 27.76 times, and the number of teachers rose 35.31 times. This condition indicates that the community has become aware of the importance role of special school to help children with disabilities becoming believing in their selves (Graphs 2.19).

Graph 2.19
Number of Schools, Pupils and Teachers
Special Education
Year 1969-2012/2013



Source: Center for Educational Data and Statistics, Secretariat General, MoEC

e. Non-formal Education

Non-formal education is education which is organized outside schooling system throughout teaching and learning activities which are flexible in term of the time and period spent, the age of learners, the contents of lessons, the way lessons are organized, and the assessment of achievement.

Non-formal education involves courses, group learning, and families. Family education is organized by family and providing religious, cultural and moral values, and skills. Non-formal Education is described in Act of the Indonesia, Number 20, Year 2003 on National Education System, Chapter VI, Part Eleven, Article 26.

Non-formal education is provided by government and nongovernment agencies, private sector and the community. It is provided for community members who need education services functioning as a replacement, complement, and/or supplement to formal education in the frame of supporting life-long education. This type of education is aimed at developing learners' potentials with emphasis on the acquisition of knowledge and functional skills while developing personality and professional attitudes. Non-formal education comprises lifeskills education, early childhood education, youth education, women empowerment education, literacy education, vocational training and apprenticeship, equivalent program, and other kinds of education aimed at developing learners' ability. Nonformal education consists of training centers and colleges, courses and study groups, community learning centers, majelis taklim (group conducting religious education activities), and other education units of the similar type. Other kinds of nonformal education held by community are income generating program, apprenticeship, and courses.

Training centers and colleges are provided for community members who are in need of knowledge, competencies, lifeskills, and attitudes to develop their personality, professionalism, working ethics, entrepreneurship, and/or for further education. Courses are organized for learners who need opportunities to develop them, to generate an income and/or want to proceed to higher levels of education. These courses may be organized at a basic, middle, or advanced levels. Group learning is organized for a group of learners to develop themselves, to enable them to find work and/or to proceed to higher levels of education. Group studying Packet A (Paket A Setara SD) are organized to obtain an education equivalent to primary school level. Likewise, group studying Packet B (Paket B Setara SMP) are organized to obtain the equivalent of junior

secondary school level and Packet C which is equivalent to senior secondary school level.

The outcomes of non-formal education programs shall be recognized as being equal to the outcomes of formal education programs after undergoing process of assessment by an agency appointed by Government or local governments based on national education standards.

The objectives of non-formal education are 1) to provide learners with an opportunity to develop through short and lifelong learning processes and to raise their dignity and standard of living; 2) to guide learners so as to acquire knowledge, skills, and a mental attitude required for self-development, to work, and generate an income or to proceed to a higher and connecting levels of education; and 3) to fulfill the needs of the communities to learn, needs that cannot be met by the formal education system.

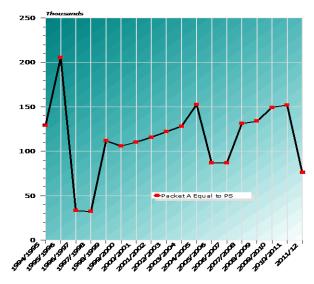
Table 2.17 shows the participants of group studying of Packet. Since 1994/1995, Packet A and Packet B have increased in terms of its participant. Number of participants of Packet A rose 0.59 times, and Packet B rose 1.83 times during 18 years from 1994/1995 to 2012/2013. This condition indicates that the community has become aware of the importance role of studying to help compulsory programs becoming successful (Graph 2.20 and 2.21).

Table 2.17 Number of Packet A, Packet B, and Packet C Participants Year 1994/1995-2012/2013

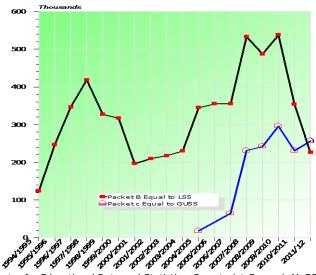
| Year | Packet A | Packet B | Packet C |
|---------|-------------|--------------|--------------|
| Tear | Equal to PS | Equal to JSS | Equal to SSS |
| 1994/95 | 129.214 | 123.493 | - |
| 1995/96 | 205.432 | 246.880 | - |
| 1996/97 | 33.390 | 346.880 | - |
| 1997/98 | 32.249 | 418.571 | - |
| 1998/99 | 111.790 | 327.690 | - |
| 1999/00 | 105.990 | 316.597 | - |
| 2000/01 | 110.361 | 196.052 | - |
| 2001/02 | 115.880 | 209.775 | - |
| 2002/03 | 122.000 | 217.570 | - |
| 2003/04 | 128.200 | 229.721 | - |
| 2004/05 | 152.590 | 344.561 | 18.040 |
| 2005/06 | 86.880 | 354.898 | |
| 2006/07 | 244.952 | 358.448 | 64.592 |
| 2007/08 | 131.255 | 533.410 | 231.155 |
| 2008/09 | 133.873 | 487.541 | 242.040 |
| 2009/10 | 149.476 | 537.581 | 295.952 |
| 2010/11 | 151.908 | 353.805 | 230.744 |
| 2011/12 | 75.984 | 225.766 | 256.262 |
| | | | |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Graph 2.20 Number of Packet A Participants Year 1994/1995-20101/2012



Graph 2.21 Number of Packet B and Packet C Participants Year 1994/1995-2010/2011



CHAPTER III EDUCATIONAL ATTAINMENTS

As of the policy agenda stated in the Fives Years Development Plan/FYDP (*Rencana Pembangunan Lima Tahun/Repelita*), starting from *Repelita* I (1969) to VI and Strategic Planning from 2001 to 2009, education has been developed mainly on the basis of three main strategies. From Strategic Planning 2005 to 2009, there are main policies: 1) the expansion of an equalization educational opportunity, 2) the improvement of education quality, relevancy, and competing ability, and 3) governance, accountability, and public image. The following will deal with the general education situation and problems during 1968 or 1969 to 2011.

A. Expansion and Equalization of Education Access

Government has made efforts in expanding opportunities for basic, vocational and professional education through formal and non-formal education channels. The main objective was to diminish social gap emerges in the society in the advent of modernization and globalization. Education is considered as the most determining factor in the expansion of labor opportunities, enhancement of status and position and other things considered important in one's life. It is assumed that justice and equity in social welfare can only be achieved through the provision of equal opportunity to quality education.

Within the framework of equalization in educational opportunities, gaps in educational infrastructure and facilities caused by uneven distribution of qualified teachers and other supporting facilities could be lessened or caused by different geographical conditions (urban and rural), different parts of Indonesia (east and west), social economic factors (the have and not-have), different types of educational programs (regular and special schools) and other factors.

Basic education had been expanded since 1973 during the boom of primary education. Before 1st FYDP, in 1968, the net enrollment ratio of Primary School shown in Table 3.1 was 58.38 percent, and it reached 93.43 percent at the end of 4th FYDP in 1998/1999 and 95.55 percent in 2012/2013. During 31 years (1968 to 1998/1999) the average growth was 1.6 percent per year and from 1998/1999 to 2012/2013 the average growth was 1.0 percent per year (Graph 3.1).

Besides, the number of primary school pupils was 12.16 million in 1968. After 44 years, the pupils became 30.60 million. In the other hand, during 14 years from 1998/1999 to

2012/2013, the pupils were slightly increasing becoming 30.60 millions. When looking for Gross Enrollment Ratio, it was 67.98 percent in 1968 and continuing to increase to 111.54 percent in 1998/1999 and 115.43 percent in 2012/2013 (Graph 3.1).

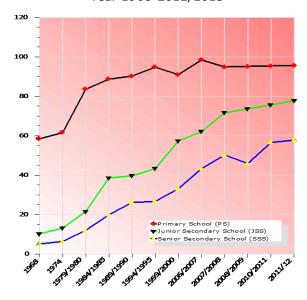
Table 3.1 Gross Enrollment Ratio and Net Enrollment Ratio Primary School (PS) Year 1968-2012/2013

| Year PS and IPS Pupils Population GER NER 1968 12.163.495 10.447.226 17.893.700 67,98 58,38 1969 12.802.415 11.202.113 18.504.600 69,19 60,54 1970 12.821.618 11.667.672 18.779.400 68,27 62,13 1971 12.896.147 11.993.417 18.954.000 68,04 63,28 1972 13.030.548 12.574.479 19.190.200 68,19 65,80 1973 13.069.456 12.808.067 19.150.000 68,25 66,88 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 | | | | | | |
|---|---------|------------|------------|------------|--------|-------|
| 1968 | Voar - | PS and IPS | | Population | | |
| 1969 | | | | | | |
| 1970 12.821.618 11.667.672 18.779.400 68,27 62,13 1971 12.896.147 11.993.417 18.954.000 68,04 63,28 1972 13.303.548 12.574.479 19.190.200 68,19 65,80 1973 13.069.456 12.808.067 19.150.000 68,25 66,88 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.995.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 27.850.075 22.692.613 25.817.000 107,88 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| 1971 12.896.147 11.993.417 18.954.000 68,19 65,80 1973 13.069.456 12.808.067 19.150.000 68,19 65,80 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 85,56 1980/81 25.601.870 20.834.282 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.00 | | 12.802.415 | | | | |
| 1972 13.030.548 12.574.479 19.109.200 68,19 65,80 1973 13.069.456 12.808.067 19.150.000 68,25 66,88 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.00.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,56 88,66 1984/85 29.817.688 24.576.966 27.720.900 107,56 | | | | | | |
| 1973 13.069.456 12.808.067 19.150.000 68,25 66,88 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 <td></td> <td>12.896.147</td> <td>11.993.417</td> <td>18.954.000</td> <td>68,04</td> <td>63,28</td> | | 12.896.147 | 11.993.417 | 18.954.000 | 68,04 | 63,28 |
| 1974 13.314.246 11.836.365 19.240.400 69,20 61,52 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 107,56 88,66 1985/86 29.561.125 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.25 24.923.650 27.827.500 106,53< | 1972 | 13.030.548 | 12.574.479 | 19.109.200 | 68,19 | 65,80 |
| 1975 14.280.157 12.695.060 19.550.200 73,04 64,94 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1978/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,68 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 10 | 1973 | 13.069.456 | 12.808.067 | 19.150.000 | | |
| 1976 15.550.124 13.824.060 20.625.200 75,39 67,03 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 <t< td=""><td>1974</td><td>13.314.246</td><td>11.836.365</td><td>19.240.400</td><td></td><td></td></t<> | 1974 | 13.314.246 | 11.836.365 | 19.240.400 | | |
| 1977 17.265.291 15.348.844 22.200.500 77,77 69,14 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,53 89,34 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1999/90 29.584.890 24.910.500 27.600.300 | 1975 | 14.280.157 | 12.695.060 | 19.550.200 | 73,04 | |
| 1978/79 22.024.819 18.815.314 23.600.100 93,33 79,73 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1985/86 29.561.125 24.594.228 27.623.000 107,56 88,66 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,53 89,34 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1991/92 29.557.701 25.067.100 27.460.300 | 1976 | 15.550.124 | 13.824.060 | 20.625.200 | 75,39 | 67,03 |
| 1979/80 24.165.724 20.095.457 24.050.200 100,48 83,56 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,53 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 | 1977 | 17.265.291 | 15.348.844 | 22.200.500 | 77,77 | 69,14 |
| 1980/81 25.601.870 20.830.428 24.497.000 104,51 85,03 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1985/86 29.561.125 24.576.966 27.720.900 107,56 88,66 1986/87 29.481.756 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.9758.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 | 1978/79 | 22.024.819 | 18.815.314 | 23.600.100 | 93,33 | 79,73 |
| 1981/82 26.962.488 21.892.710 25.226.000 106,88 86,79 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1985/86 29.561.125 24.576.966 27.720.900 107,56 88,66 1986/87 29.481.756 24.594.228 27.623.000 107,52 89,04 1987/88 29.760.590 24.923.650 27.827.500 106,53 89,34 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,41 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,28 1994/95 29.721.459 25.193.250 26.599.200 | 1979/80 | 24.165.724 | 20.095.457 | 24.050.200 | 100,48 | 83,56 |
| 1982/83 27.850.075 22.692.613 25.817.000 107,87 87,90 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,56 1993/94 29.699.586 25.075.283 26.810.300 | 1980/81 | 25.601.870 | 20.830.428 | 24.497.000 | 104,51 | 85,03 |
| 1983/84 29.044.380 23.619.308 26.668.900 108,91 88,56 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.5958.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 | 1981/82 | 26.962.488 | 21.892.710 | 25.226.000 | 106,88 | 86,79 |
| 1984/85 29.817.688 24.576.966 27.720.900 107,56 88,66 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1996/97 29.236.287 24.712.802 26.019.700 | 1982/83 | 27.850.075 | 22.692.613 | 25.817.000 | 107,87 | 87,90 |
| 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 | 1983/84 | 29.044.380 | 23.619.308 | 26.668.900 | 108,91 | 88,56 |
| 1985/86 29.561.125 24.594.228 27.623.000 107,02 89,04 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 | 1984/85 | 29.817.688 | 24.576.966 | 27.720.900 | 107,56 | 88,66 |
| 1986/87 29.481.756 24.726.313 27.675.200 106,53 89,34 1987/88 29.760.590 24.923.650 27.827.500 106,95 89,56 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 | 1985/86 | 29.561.125 | 24.594.228 | 27.623.000 | | |
| 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 | 1986/87 | 29.481.756 | 24.726.313 | 27.675.200 | 106,53 | |
| 1988/89 29.975.864 25.070.035 27.883.500 107,50 89,91 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 | 1987/88 | 29.760.590 | 24.923.650 | 27.827.500 | 106,95 | 89,56 |
| 1989/90 29.584.890 24.910.500 27.600.300 107,19 90,25 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,58 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.980.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 | | | | | | |
| 1990/91 29.408.776 24.850.400 27.530.200 106,82 90,27 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 | 1989/90 | 29.584.890 | | 27.600.300 | 107,19 | 90,25 |
| 1991/92 29.557.701 25.067.100 27.460.300 107,64 91,28 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.690.131 24.189.372 25.956.000 108,13 90,98 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 | 1990/91 | 29.408.776 | 24.850.400 | 27.530.200 | 106,82 | 90,27 |
| 1992/93 29.598.795 25.215.200 27.558.100 107,41 91,50 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.149.746 24.319.378 25.603.200 | 1991/92 | 29.557.701 | 25.067.100 | 27.460.300 | 107,64 | |
| 1993/94 29.699.586 25.075.283 26.810.300 110,78 93,53 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 | 1992/93 | 29.598.795 | 25.215.200 | | 107,41 | 91,50 |
| 1994/95 29.721.459 25.193.250 26.599.200 111,74 94,71 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 | | 29.699.586 | 25.075.283 | 26.810.300 | | |
| 1995/96 29.447.990 24.943.878 26.321.400 111,88 94,77 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 | | | | | | |
| 1996/97 29.236.287 24.712.802 26.019.700 112,36 94,98 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 | 1995/96 | 29.447.990 | 24.943.878 | 26.321.400 | 111,88 | |
| 1997/98 29.250.987 24.474.774 25.772.500 113,50 94,96 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 | 1996/97 | 29.236.287 | 24.712.802 | 26.019.700 | | |
| 1998/99 28.531.597 23.900.616 25.580.400 111,54 93,43 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2007/08 30.384.766 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 | | 29.250.987 | 24,474,774 | | | |
| 1999/00 28.504.462 23.983.602 26.361.100 108,13 90,98 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | 28.531.597 | 23.900.616 | 25.580.400 | | |
| 2000/01 28.690.131 24.189.372 25.956.000 110,53 93,19 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | 1999/00 | 28.504.462 | 23.983.602 | | 108,13 | 90,98 |
| 2001/02 28.926.377 24.429.548 25.797.100 112,13 94,70 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | 2000/01 | 28.690.131 | 24.189.372 | 25.956.000 | | |
| 2002/03 29.050.834 24.041.707 25.636.300 113,32 93,78 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | 28.926.377 | 24.429.548 | 25.797.100 | | |
| 2003/04 29.100.438 25.225.991 25.473.400 114,24 99,03 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | 2002/03 | 29.050.834 | 24.041.707 | 25.636.300 | | |
| 2004/05 29.149.746 24.319.378 25.603.200 113,85 94,99 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | 29.100.438 | 25,225,991 | 25,473,400 | | |
| 2005/06 28.982.708 24.793.019 25.195.200 115,03 98,40 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | | | | | |
| 2006/07 29.796.705 24.635.049 26.074.706 114,27 94,48 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | 2005/06 | 28.982.708 | 24.793.019 | 25.195.200 | | |
| 2007/08 30.384.766 24.964.102 26.304.320 115,51 94,90 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | • | | | | | |
| 2008/09 30.908.745 25.228.482 26.516.463 116,56 95,14 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | 30.384.766 | | | | |
| 2009/10 31.049.530 25.322.138 26.591.180 116,77 95,23 | | | | | | |
| | | | | | | |
| 2010/11 30./95.830 25.4/6./20 26./02.358 115.33 95.41 | 2010/11 | 30.795.830 | 25.476.720 | 26.702.358 | 115,33 | 95,41 |
| 2011/12 30.599.197 25.328.619 26.508.500 115,43 95,55 | | | | | | |

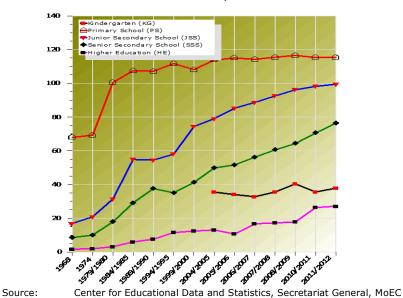
Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Notes: 1. IPS = Islamic Primary School 2. Since 1978, including IPS

Graph 3.1
Trend of Net Enrolment Ratio by Levels of Education
Year 1968-2012/2013



Graph 3.2
Trend of Gross Enrolment Ratio by Levels of Education
Year 1968-2012/2013



In the beginning of the 4th FYDP (1984/1985) the Government of Indonesia implemented six-year compulsory education for primary school age children (i.e. 7-12 years). The result of this policy was significant, Table 3.1 also shows that

the Net Enrolment Ratio (NER) in primary school increased to the level of 93.53 percent in 1993/1994 compared to 79.73 percent in 1978/1979 (Graph 3.1).

Table 3.2 Number of Illiterate Population (IP) 10 year and above Year 1971, 1980, 1990, 1997-2011

| Year | Sex | IP > 15 year | Population | % of IP |
|------|----------|------------------------|--------------------|---------------|
| 4074 | T | 24 464 060 | > 15 year | >15 year |
| 1971 | Total | 31.464.860 | 80.507.076 | 39,08 |
| 1980 | Total | 30.096.559 | 104.501.940 | 28,80 |
| 1990 | Total | 21.494.177 | 135.039.581 | 15,92 |
| 1997 | Total | 18.776.260 | 158.774.700 | 11,83 |
| 1998 | Total | <u>16.852.735</u> | <u>161.501.811</u> | <u> 10,44</u> |
| | Male | 5.146.010 | 79.660.922 | 6,46 |
| | Female | 11.706.725 | 81.840.889 | 14,30 |
| 1999 | Total | <u>16.821.216</u> | <u>164.793.644</u> | <u>10,21</u> |
| | Male | 5.117.211 | 81.566.217 | 6,27 |
| | Female | 11.704.005 | 83.227.427 | 14,06 |
| 2000 | Total | 14.639.281 | <u>141.170.805</u> | 10,37 |
| | Male | 4.309.817 | 69.837.799 | 6,17 |
| | Female | 10.329.464 | 71.333.006 | 14,48 |
| 2001 | Total | <u>17.441.000</u> | 120.677.800 | 14,45 |
| | Male | 3.719.103 | 69.703.057 | 5,34 |
| | Female | 8.231.101 | 70.311.708 | 11,71 |
| 2002 | Total | 18.691.001 | 170.072.800 | 10,99 |
| | Male | 5.993.234 | 84.890.000 | 7,06 |
| | Female | 12.726.310 | 85.182.800 | 14,94 |
| 2003 | Total | 15.711.453 | 173.224.400 | 9,07 |
| | Male | 5.049.159 | 86.458.200 | 5,84 |
| | Female | 10.654.889 | 86.766.200 | 12,28 |
| 2004 | Total | 15.047.449 | 176.406.200 | <u>8,53</u> |
| | Male | 4.701.779 | 88.048.300 | 5,34 |
| | Female | 10.346.710 | 88.357.900 | 11,71 |
| 2005 | Total | 14.529.413 | 179.597.200 | 8,09 |
| | Male | 4.563.053 | 89.647.400 | 5,09 |
| | Female | 9.957.443 | 89.949.800 | 11,07 |
| 2006 | Total | 13.870.949 | 182.268.800 | 7,61 |
| | Male | 4.438.936 | 90.961.800 | 4,88 |
| | Female | 9.432.013 | 91.307.000 | 10,33 |
| 2007 | Total | 16.316.853 | 224.904.900 | 7,26 |
| 2007 | Male | 4.976.305 | 112.789.800 | 4,41 |
| | Female | 11.340.548 | 112.115.100 | 10,12 |
| 2008 | Total | 9.763.616 | 165.515.365 | 5,97 |
| 2000 | Male | 3.514.774 | 82.313.208 | 4,27 |
| | Female | 6.248.842 | 83.202.157 | 7,51 |
| 2009 | Total | 8.762.040 | 165.383.439 | 5,30 |
| 2003 | Male | 3.154.335 | 82.174.069 | 3,84 |
| | Female | 5.607.705 | 83.209.370 | 6,74 |
| 2010 | Total | 7.547.344 | 150.269.092 | 5,02 |
| 2010 | Male | | 75.574.916 | |
| | Female | 2.764.283 4.783.061 | 75.574.916 | 3,66 6,40 |
| 2011 | Total | 6.730.681 | 152.100.969 | 4,43 |
| 2011 | | 2.265.399 | 76.088.242 | |
| | Male | | | 2,98 |
| | Female | 4.465.282 | 76.012.727 | 5,87 |

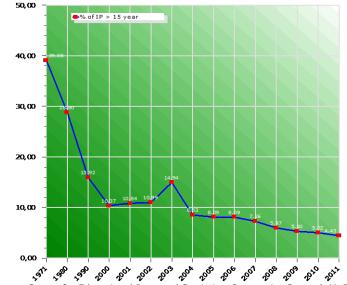
*) = Age 15 - 59 year

Source: Population Census 1971, 1980, 1990, Welfare Statistics 1997-2010 Central Board of Statistics

Note: Since 2000, illiterate and population used 15 years and older Since 2010, illiterate and population used 15 – 59 years

The MoEC succeeded in multiplying the number of participants in primary education and consequently reduced the number of illiterates during the past 40 years. Table 3.2 shows the number of illiterate population from 1971 to 2011. The census showed that the number of illiterates in 1971 was 31.46 million or 39.08 percent. It went down to 30.10 million (28.8 percent) in 1980, 21.49 million (15.92 percent) in 1990, 14.64 million (10.37 percent) in 2000, and 6.73 million (4.43 percent) in 2011.

Graph 3.3 Trend of Illiterate Population Year 1971, 1980, 1990, 2000-2011



Source: Center for Educational Data and Statistics, Secretariat General, MoEC

In 1998, illiterate population for male (6.46 percent) is smaller than those of female (14.30 percent). This pattern happens from 1998 to 2011 where in 2011 illiterate population for male is 2.98 percent while illiterate population for female is 5.87 percent. Illiterate population for male slightly decline 3.48 percent from 1998 to 2011 and female decline 8.43 percent in the same period (Graph 3.3). The declining illiterate is due to the expanded move of literacy program and the Packet A programs so there is amount of 110,361 participants (male as well as female) in 2000/2001 then it increase to be 151,908 participants in 2010/2011 and then decrease to be 75,984 participants in 2012/2013 (Table 2.17).

Table 3.3
Gross Enrollment Ratio and Net Enrollment Ratio
Junior Secondary School (JSS)
Year 1968-2012/2013

| | Year | JSS and IJ | SS Pupils | Population | GER | NER |
|----|---------|----------------|----------------|----------------|-------------|----------|
| | Teat | Total | 13-15 years | 13-15 years | (%) | (%) |
| | 1968 | 1.150.000 | 690.200 | 6.818.000 | 16,87 | 10,12 |
| | 1969 | 1.234.379 | 750.313 | 6.992.800 | 17,65 | 10,73 |
| | 1970 | 1.292.230 | 790.900 | 7.248.140 | 17,83 | 10,91 |
| | 1971 | 1.400.873 | 863.320 | 7.443.940 | 18,82 | 11,60 |
| | 1972 | 1.441.556 | 894.525 | 7.686.900 | 18,75 | 11,64 |
| | 1973 | 1.535.701 | 959.530 | 7.915.280 | 19,40 | 12,12 |
| | 1974 | 1.691.078 | 1.063.913 | 8.119.980 | 20,83 | 13,10 |
| | 1975 | 1.900.154 | 1.210.545 | 8.331.600 | 22,81 | 14,53 |
| | 1976 | 2.136.067 | 1.391.700 | 8.511.400 | 25,10 | 16,35 |
| | 1977 | 2.339.835 | 1.578.543 | 8.700.520 | 26,89 | 18,14 |
| | 1978/79 | 2.673.976 | 1.816.345 | 9.159.740 | 29,19 | 19,83 |
| | 1979/80 | 2.982.592 | 2.039.880 | 9.494.720 | 31,41 | 21,48 |
| | 1980/81 | 4.169.409 | 2.845.070 | 9.992.200 | 41,73 | 28,47 |
| | 1981/82 | 4.593.889 | 3.157.958 | 10.225.800 | 44,92 | 30,88 |
| | 1982/83 | 5.085.636 | 3.521.931 | 10.464.800 | 48,60 | 33,66 |
| | 1983/84 | 5.599.621 | 3.906.346 | 10.709.400 | 52,29 | 36,48 |
| | 1984/85 | 6.061.273 | 4.258.796 | 11.047.800 | 54,86 | 38,55 |
| | 1985/86 | 6.573.661 | 4.652.013 | 11.397.000 | 57,68 | 40,82 |
| | 1986/87 | 7.068.267 | 5.012.628 | 11.757.200 | 60,12 | 42,63 |
| | 1987/88 | 7.392.318 | 5.180.067 | 12.128.700 | 60,95 | 42,71 |
| | 1988/89 | 7.451.758 | 5.258.432 | 12.512.000 | 59,56 | 42,03 |
| | 1989/90 | 6.893.452 | 5.010.181 | 12.655.000 | 54,47 | 39,59 |
| | 1990/91 | 6.764.517 | 5.022.847 | 12.799.700 | 52,85 | 39,24 |
| | 1991/92 | 6.721.716 | 5.003.863 | 12.946.000 | 51,92 | 38,65 |
| | 1992/93 | 6.741.940 | 5.033.951 | 13.094.000 | 51,49 | 38,44 |
| | 1993/94 | 7.209.907 | 5.391.327 | 13.243.700 | 54,44 | 40,71 |
| | 1994/95 | 7.777.164 | 5.801.930 | 13.405.300 | 58,02 | 43,28 |
| | 1995/96 | 8.450.606 | 6.330.096 | 13.484.400 | 62,67 | 46,94 |
| | 1996/97 | 9.239.891 | 7.079.696 | 13.499.200 | 68,45 | 52,45 |
| | 1997/98 | 9.374.350 | 7.301.883 | 13.415.200 | 69,88 | 54,43 |
| | 1998/99 | 9.340.572 | 6.945.582 | 13.261.900 | 70,43 | 52,37 |
| | 1999/00 | 9.402.899 | 7.240.163 | 12.640.700 | 74,39 | 57,28 |
| | 2000/01 | 9.557.771 | 7.355.685 | 12.724.000 | 75,12 | 57,81 |
| | 2001/02 | 9.751.811 | 7.499.467 | 12.807.800 | 76,14 | 58,55 |
| | 2002/03 | 9.930.749 | 7.630.760 | 12.887.500 | 77,06 | 59,21 |
| | 2003/04 | 10.075.901 | 7.655.988 | 12.963.200 | 77,73 | 59,06 |
| | 2004/05 | 10.307.202 | 7.907.717 | 13.038.900 | 79,05 | 60,65 |
| | 2005/06 | 11.172.512 | 8.136.646 | 13.110.200 | 85,22 | 62,06 |
| | 2006/07 | 11.503.387 | 8.561.758 | 12.971.116 | 88,68 | 66,01 |
| | 2007/08 | 11.926.443 | 9.229.945 | 12.890.334 | 92,52 | 71,60 |
| | 2008/09 | 12.538.448 | 9.598.138 | 13.036.554 | 96,18 | 73,62 |
| | 2009/10 | 12.698.262 | 9.644.563 | 12.942.400 | 98,11 | 74,52 |
| | 2010/11 | 12.834.058 | 9.885.649 | 13.069.509 | 98,20 | 75,64 |
| | 2011/12 | 12.605.112 | 9.848.021 | 12.672.739 | 99,47 | 77,71 |
| 11 | rco: | Cantar for Edu | icational Data | and Statistics | Secretariat | (Jonoral |

Note: 1. IJSS = Islamic Junior Secondary School 2. Since 1979 including IJSS

Net Enrollment Ratio for junior secondary school in Table 3.3 was 10.12 percent in 1968. 25 years later, the ratio increased rapidly to 40.71 percent or the average per year is 9.1 percent. But in 1993/1994 to 2012/2013 during 18 years, the ratio increased 37 percent becoming 77.71 percent (Graph 3.1).

Gross Enrollment Ratio for the 13-15 year old population at the junior secondary level was also meaningful from $1^{\rm st}$ FYDP (1968) to 2012/2013. Yet it still needs to be improved as it is not yet much related to the Nine-year Basic Education

Compulsory Program. Gross Enrollment Ratio for junior secondary school grew from 16.87 percent in 1968 to 19.40 percent in 1973 and 59.56 percent in 1988/1989. Yet it went up to 70.43 percent in 1998/1999, and 99.47 percent in 2012/2013 (Graph 3.2).

In the beginning of 5th FYDP (1994/1995), as part of the expansion of educational opportunities at the basic education level and within the initial stage of the Nine-year Basic Education Compulsory Program, the first step was taken by developing primary and junior secondary school. When looking at schools at basic education (Primary and Junior Secondary School) in Table 3.4, there was 68.69 thousand with 13.94 million pupils, and 408.37 thousand teachers of basic education in 1969.

Table 3.4
Trend of Basic Education Schools, Pupils and Teachers
Year 1969-2012/2013

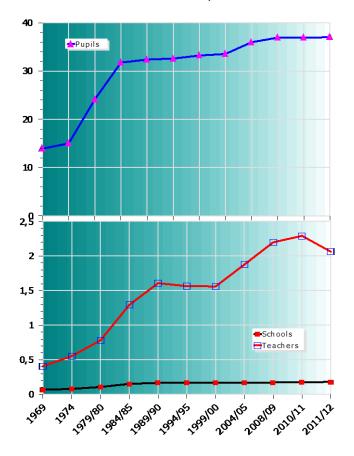
| | | Schools | | Pupils | | | Teachers | | |
|---------|---------|---------|---------|-------------|-----------|------------|-----------|---------|-----------|
| Year | Primary | Junior | Basic | Primary | Junior | Basic | Primary | Junior | Basic |
| 1969 | 63.056 | 5.639 | 68.695 | 12.802.415 | 1.134.379 | 13.936.794 | 323.220 | 85.149 | 408.369 |
| 1970 | 64.040 | 6.527 | 70.567 | 12.821.618 | 1.292.230 | 14.113.848 | 397.500 | 94.615 | 492.115 |
| 1971 | 64.335 | 7.029 | 71.364 | 12.895.957 | 1.400.873 | 14.296.830 | 414.799 | 104.123 | 518.922 |
| 1972 | 65.227 | 7.297 | 72.524 | 13.030.548 | 1.444.019 | 14.474.567 | 413.413 | 109.120 | 522.533 |
| 1973 | 65.910 | 7.463 | 73.373 | 13.069.456 | 1.518.138 | 14.587.594 | 427.211 | 107.457 | 534.668 |
| 1974 | 72.122 | 7.587 | 79.709 | 13.314.246 | 1.691.078 | 15.005.324 | 444.241 | 109.956 | 554.197 |
| 1975 | 73.589 | 7.843 | 81.432 | 14.280.157 | 1.900.155 | 16.180.312 | 472.698 | 117.584 | 590.282 |
| 1976 | 80.261 | 8.265 | 88.526 | 15.550.124 | 2.136.067 | 17.686.191 | 514.912 | 123.555 | 638.467 |
| 1977 | 83.590 | 9.395 | 92.985 | 17.265.291 | 2.339.835 | 19.605.126 | 551.927 | 134.012 | 685.939 |
| 1978/79 | 92.499 | 9.505 | 102.004 | 19.074.819 | 2.673.976 | 21.748.795 | 592.439 | 149.364 | 741.803 |
| 1979/80 | 98.248 | 9.805 | 108.053 | 21.165.724 | 2.982.592 | 24.148.316 | 619.772 | 163.578 | 783.350 |
| 1980/81 | 105.645 | 10.956 | 116.601 | 22.551.870 | 3.412.116 | 25.963.986 | 666.779 | 202.062 | 868.841 |
| 1981/82 | 110.050 | 12.037 | 122.087 | 23.862.488 | 3.809.348 | 27.671.836 | 713.222 | 215.879 | 929.101 |
| 1982/83 | 120.162 | 12.739 | 132.901 | 24.700.075 | 4.272.867 | 28.972.942 | 841.833 | 247.244 | 1.089.077 |
| 1983/84 | 129.388 | 14.544 | 143.932 | 25.804.380 | 4.757.644 | 30.562.024 | 925.834 | 275.680 | 1.201.514 |
| 1984/85 | 136.706 | 15.600 | 152.306 | 26.567.688 | 5.188.964 | 31.756.652 | 986.638 | 308.149 | 1.294.787 |
| 1985/86 | 139.511 | 16.860 | 156.371 | 26.550.915 | 5.669.966 | 32.220.881 | 1.037.174 | 339.387 | 1.376.561 |
| 1986/87 | 142.966 | 18.575 | 161.541 | 26.444.756 | 6.131.451 | 32.576.207 | 1.078.597 | 376.612 | 1.455.209 |
| 1987/88 | 144.561 | 19.708 | 164.269 | 26.649.890 | 6.422.423 | 33.072.313 | 1.107.100 | 401.748 | 1.508.848 |
| 1988/89 | 145.571 | 20.334 | 165.905 | 26.725.364 | 6.446.966 | 33.172.330 | 1.134.089 | 412.412 | 1.546.501 |
| 1989/90 | 146.558 | 20.985 | 167.543 | 26.528.590 | 5.852.507 | 32.381.097 | 1.141.486 | 467.122 | 1.608.608 |
| 1990/91 | 147.066 | 20.605 | 167.671 | 26.348.376 | 5.686.118 | 32.034.494 | 1.136.907 | 409.739 | 1.546.646 |
| 1991/92 | 147.683 | 19.973 | 167.656 | 26.325.701 | 5.604.515 | 31.930.216 | 1.141.032 | 389.549 | 1.530.581 |
| 1992/93 | 148.257 | 18.601 | 166.858 | 26.339.995 | 5.577.040 | 31.917.035 | 1.153.816 | 365.045 | 1.518.861 |
| 1993/94 | 148.942 | 18.876 | 167.818 | 26.319.852 | 5.890.554 | 32.210.406 | 1.172.523 | 380.072 | 1.552.595 |
| 1994/95 | 149.464 | 19.442 | 168.906 | 26.200.023 | 6.392.417 | 32.592.440 | 1.172.640 | 392.588 | 1.565.228 |
| 1995/96 | 149.954 | 19.968 | 169.922 | 25.948.574 | 6.945.433 | 32.894.007 | 1.172.688 | 412.065 | 1.584.753 |
| 1996/97 | 150.595 | 20.544 | 171.139 | 25.744.083 | 7.533.300 | 33.277.383 | 1.165.786 | 410.679 | 1.576.465 |
| 1997/98 | 150.921 | 20.777 | 171.698 | 25.667.578 | 7.596.386 | 33.263.964 | 1.158.004 | 413.921 | 1.571.925 |
| 1998/99 | 151.042 | 20.960 | 172.002 | 25.687.893 | 7.564.628 | 33.252.521 | 1.152.536 | 431.582 | 1.584.118 |
| 1999/00 | 150.612 | 20.866 | 171.478 | 25.614.836 | 7.600.093 | 33.214.929 | 1.141.168 | 420.310 | 1.561.478 |
| 2000/01 | 148.964 | 20.721 | 169.685 | 25.701.558 | 7.584.707 | 33.286.265 | 1.128.475 | 463.864 | 1.592.339 |
| 2001/02 | 148.516 | 20.842 | 169.358 | 25.850.849 | 7.466.458 | 33.317.307 | 1.164.808 | 476.827 | 1.641.635 |
| 2002/03 | 146.052 | 20.918 | 166.970 | 25.918.898 | 7.447.270 | 33.366.168 | 1.234.927 | 466.748 | 1.701.675 |
| 2003/04 | 145.867 | 21.256 | 167.123 | 25.976.285 | 7.523.318 | 33.499.603 | 1.256.246 | 490.307 | 1.746.553 |
| 2004/05 | 147.793 | 22.274 | 170.067 | 25.997.445 | 7.553.086 | 33.550.531 | 1.335.086 | 542.591 | 1.877.677 |
| 2005/06 | 148.262 | 23.853 | 172.115 | 25.982.590 | 8.073.389 | 34.055.979 | 1.346.846 | 616.364 | 1.963.210 |
| 2006/07 | 146.809 | 24.686 | 171.495 | 26.277.445 | 8.439.762 | 34.717.207 | 1.385.635 | 624.726 | 2.010.361 |
| 2007/08 | 143.979 | 26.277 | 170.256 | 26.627.427 | 8.639.966 | 35.267.393 | 1.438.091 | 621.878 | 2.059.969 |
| 2008/09 | 144.228 | 28.777 | 173.005 | 26.984.824 | 8.992.619 | 35.977.443 | 1.569.326 | 629.036 | 2.198.362 |
| 2009/10 | 143.252 | 29.866 | 173.118 | 27.328.601 | 9.255.006 | 36.583.607 | 1.627.984 | 638.948 | 2.266.932 |
| 2010/11 | 146.804 | 30.290 | 177.094 | 27.580.215 | 9.346.454 | 36.926.669 | 1.644.925 | 647.145 | 2.292.070 |
| 2011/12 | 146.826 | 33.668 | 180.494 | 27.580.215 | 9.425.336 | 37.005.551 | 1.550.276 | 513.831 | 2.064.107 |
| | | | | icational D | | | | | |

Note: Teachers in schools under MoEC only

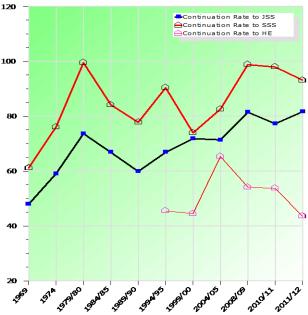
Currently the compulsory program has been extended to the 13-15 year old population (i.e. it was extended to junior secondary schools) when the Nine-year Basic Education Compulsory was launched on May 2, 1994. The result of this policy was significant, the Gross Enrolment Ratio in junior secondary school increased to the level of 99.47 percent in 2012/2013 compared to 58.02 percent in 1994/1995 (Graph 3.2).

The pupils of the Basic Education in Table 3.4 also grew from 32.59 million in 1994/1995 to 36.93 million in 2012/2013. At the same period teachers also grew from 1.56 million in 1994/1995 and 2.06 million in 2012/2013 (Graph 3.4).

Graph 3.4
Trend of Basic Education Schools, Pupils, and Teachers
Year 1969-2012/2013



Graph 3.5 Continuation Rate to JSS, SSS, and HE Year 1969-2012/2013



Source:

Center for Educational Data and Statistics, Secretariat General, MoEC

Results of the JSS development in Table 3.5 were not such good as the number of PS students continuing to JSS during 5th FYDP was low and it slightly increases. Then, the PS continuation rate was continuing to rise in 1994/1995 to 2012/2013 from 66.84 percent to 81.66 percent (Graph 3.5). By intensifying the JSS expansion due to Nine Year Basic Education Compulsory Program, it is hoped that within 16 years, all 4.09 million of PS graduates will have the opportunity to continue to the JSS.

Table 3.5 Continuation Rate: PS to JSS, JSS to SSS, and SSS to HE Year 1969/1970-2012/2013

| Academic | | ation Rate to JSS | | | tion Rate to SSS | | | uation Rate to HE | |
|----------|-----------------|-------------------|-------|-----------------|------------------|-------|----------------|-------------------|-------|
| Year | NE to Gr. I LSS | | % | NE to Gr. I USS | | % | NE to Gr. I HE | USS Graduates | % |
| 1969 | 445.495 | 929.500 | 47,93 | 177.522 | 290.300 | 61,15 | | | |
| 1970 | 470.235 | 951.500 | 49,42 | 219.555 | 304.100 | 72,20 | *** | | |
| 1971 | 519.354 | 975.800 | 53,22 | 241.590 | 329.678 | 73,28 | | | |
| 1972 | 546.092 | 994.117 | 54,93 | 249.836 | 339.252 | 73,64 | *** | | |
| 1973 | 606.505 | 1.221.013 | 49,67 | 251.673 | 352.119 | 71,47 | | | |
| 1974 | 672.867 | 1.139.050 | 59,07 | 276.022 | 362.670 | 76,11 | | | |
| 1975 | 750.034 | 1.180.055 | 63,56 | 320.732 | 390.973 | 82,03 | | | |
| 1976 | 827.729 | 1.235.382 | 67,00 | 380.498 | 451.426 | 84,29 | *** | | |
| 1977 | 887.581 | 1.358.902 | 65,32 | 444.125 | 526.070 | 84,42 | | | |
| 1978/79 | 1.025.073 | 1.453.212 | 70,54 | 509.794 | 618.375 | 82,44 | | | |
| 1979/80 | 1.156.287 | 1.569.814 | 73,66 | 626.482 | 629.554 | 99,51 | | | |
| 1980/81 | 1.325.636 | 1.796.884 | 73,77 | 682.319 | 772.207 | 88,36 | | | |
| 1981/82 | 1.450.761 | 2.027.754 | 71,55 | 780.929 | 850.181 | 91,85 | | | |
| 1982/83 | 1.597.452 | 2.300.372 | 69,44 | 854.665 | 999.159 | 85,54 | | | |
| 1983/84 | 1.775.850 | 2.508.102 | 70,80 | 1.021.290 | 1.168.166 | 87,43 | | | |
| 1984/85 | 1.954.245 | 2.924.003 | 66,83 | 1.072.987 | 1.274.465 | 84,19 | | | |
| 1985/86 | 2.103.112 | 3.289.390 | 63,94 | 1.142.665 | 1.356.559 | 84,23 | | | |
| 1986/87 | 2.181.000 | 3.359.183 | 64,93 | 1.325.543 | 1.597.620 | 82,97 | | | |
| 1987/88 | 2.238.032 | 3.340.183 | 67,00 | 1.433.185 | 1.719.463 | 83,35 | | | |
| 1988/89 | 2.191.826 | 3.389.548 | 64,66 | 1.389.186 | 1.917.117 | 72,46 | | | |
| 1989/90 | 2.009.048 | 3.355.733 | 59,87 | 1.401.633 | 1.802.100 | 77,78 | | | |
| 1990/91 | 2.012.712 | 3.336.590 | 60,32 | 1.330.084 | 1.701.875 | 78,15 | | | |
| 1991/92 | 1.999.221 | 3.213.780 | 62,21 | 1.375.655 | 1.663.141 | 82,71 | | | |
| 1992/93 | 2.014.324 | 3.283.931 | 61,34 | 1.310.751 | 1.640.555 | 79,90 | | | |
| 1993/94 | 2.207.230 | 3.471.393 | 63,58 | 1.327.742 | 1.592.627 | 83,37 | 480.862 | 1.127.906 | 42,63 |
| 1994/95 | 2.389.816 | 3.575.250 | 66,84 | 1.500.260 | 1.659.628 | 90,40 | 519.670 | 1.142.518 | 45,48 |
| 1995/96 | 2.548.850 | 3.575.264 | 71,29 | 1.587.958 | 1.740.106 | 91,26 | 486.284 | 1.172.710 | 41,47 |
| 1996/97 | 2.795.075 | 3.605.674 | 77,52 | 1.653.158 | 1.981.201 | 83,44 | 509.687 | 1.218.810 | 41,82 |
| 1997/98 | 2.571.856 | 3.608.516 | 71,27 | 1.580.468 | 2.119.424 | 74,57 | 516.967 | 1.204.103 | 42,93 |
| 1998/99 | 2.559.796 | 3.629.577 | 70,53 | 1.608.538 | 2.315.116 | 69,48 | 595.574 | 1.292.905 | 46,06 |
| 1999/00 | 2.595.746 | 3.613.578 | 71,83 | 1.661.630 | 2.246.999 | 73,95 | 628.268 | 1.411.378 | 44,51 |
| 2000/01 | 2.605.413 | 3.612.842 | 72,12 | 1.707.353 | 2.281.432 | 74,84 | 703.996 | 1.460.324 | 48,21 |
| 2001/02 | 2.544.849 | 3.608.801 | 70,52 | 1.794.374 | 2.316.779 | 77,45 | 760.621 | 1.483.557 | 51,27 |
| 2002/03 | 2.495.335 | 3.567.174 | 69,95 | 1.875.990 | 2.249.932 | 83,38 | 1.125.284 | 1.590.768 | 70,74 |
| 2003/04 | 2.532.185 | 3.616.441 | 70,02 | 1.895.704 | 2.301.584 | 82,37 | 1.048.294 | 1.529.448 | 68,54 |
| 2004/05 | 2.611.108 | 3.657.261 | 71,40 | 1.956.330 | 2.368.339 | 82,60 | 1.058.036 | 1.619.554 | 65,33 |
| 2005/06 | 2.935.175 | 3.681.181 | 79,73 | 2.034.264 | 2.265.982 | 89,77 | 639.063 | 1.700.115 | 37,59 |
| 2006/07 | 3.035.713 | 3.700.814 | 82,03 | 2.172.873 | 2.436.506 | 89,18 | 696.402 | 1.717.820 | 40,54 |
| 2007/08 | 3.040.317 | 3.798.698 | 80,04 | 2.393.972 | 2.505.907 | 95,53 | 1.090.417 | 1.729.077 | 63,06 |
| 2008/09 | 3.156.308 | 3.872.972 | 81,50 | 2.532.369 | 2.563.220 | 98,80 | 997.531 | 1.841.531 | 54,17 |
| 2009/10 | 3.145.012 | 3.943.696 | 79,75 | 2.594.225 | 2.673.362 | 97,04 | 1.024.379 | 1.988.429 | 51,52 |
| 2010/11 | 3.191.899 | 4.131.513 | 77,26 | 2.873.464 | 2.934.123 | 97,93 | 1.140.107 | 2.123.072 | 53,70 |
| 2011/12 | 3.340.075 | 4.090.219 | 81,66 | 2.906.401 | 3.119.322 | 93,17 | 1.027.532 | 2.360.573 | 43,53 |

Note: New entrants and graduates in schools under MoEC

Continuation rate from JSS to SSS is bigger than that from PS to JSS in all years. In the 1st FYDP (1969) continuation rate from PS to JSS was 47.93 percent and after 25 year or at the first year of 4th FYDP (1994/1995) was 66.84 percent and finally increased to became 81.66 percent in 2012/2013. Continuation rate from JSS to SSS in 1969 was 61.15 percent and after 25 years was 90.40 percent (in 1994/1995) and after it experienced the incremental trend finally increased to 93.17 percent in 2012/2013. The same as continuation rate to JSS or SSS, continuation rate from SSS to HE from 42.63 percent in 1993/1994 also after it experienced the incremental trend it slightly increased to 43.53 percent in 2012/2013 (Graph 3.4).

Table 3.6
Gross Enrollment Ratio and Net Enrollment Ratio
Senior Secondary School (SSS)
Year 1968-2012/2013

| | Academic | SSS and IS | SSS Pupils | Population | GER | NER | | |
|-----|----------------|---------------|----------------|------------------|--------------|---------|--|--|
| _ | Year | Total | 16-18years | 16-18 years | (%) | (%) | | |
| | 1968 | 482.000 | 282.700 | 5.618.850 | 8,58 | 5,03 | | |
| | 1969 | 530.982 | 330.015 | 5.858.880 | 9,06 | 5,63 | | |
| | 1970 | 598.110 | 373.210 | 6.108.388 | 9,79 | 6,11 | | |
| | 1971 | 657.671 | 398.240 | 6.367.897 | 10,33 | 6,25 | | |
| | 1972 | 664.212 | 417.750 | 6.648.210 | 9,99 | 6,28 | | |
| | 1973 | 683.477 | 436.570 | 6.934.840 | 9,86 | 6,30 | | |
| | 1974 | 720.673 | 456.860 | 7.228.648 | 9,97 | 6,32 | | |
| | 1975 | 795.423 | 518.045 | 7.530.270 | 10,56 | 6,88 | | |
| | 1976 | 933.033 | 608.245 | 7.841.020 | 11,90 | 7,76 | | |
| | 1977 | 1.108.079 | 735.954 | 8.162.178 | 13,58 | 9,02 | | |
| | 1978/79 | 1.290.044 | 860.194 | 8.494.740 | 15,19 | 10,13 | | |
| | 1979/80 | 1.573.594 | 1.053.408 | 8.839.632 | 17,80 | 11,92 | | |
| | 1980/81 | 1.818.995 | 1.220.328 | 9.218.300 | 19,73 | 13,24 | | |
| | 1981/82 | 2.097.960 | 1.413.039 | 9.447.700 | 22,21 | 14,96 | | |
| | 1982/83 | 2.347.462 | 1.587.241 | 9.682.800 | 24,24 | 16,39 | | |
| | 1983/84 | 2.688.559 | 1.825.030 | 9.923.800 | 27,09 | 18,39 | | |
| | 1984/85 | 2.969.902 | 2.023.803 | 10.192.500 | 29,14 | 19,86 | | |
| | 1985/86 | 3.263.269 | 2.232.281 | 10.468.500 | 31,17 | 21,32 | | |
| | 1986/87 | 3.651.289 | 2.507.418 | 10.751.900 | 33,96 | 23,32 | | |
| | 1987/88 | 3.993.593 | 2.753.001 | 11.043.000 | 36,16 | 24,93 | | |
| _ | 1988/89 | 4.203.620 | 2.905.770 | 11.342.000 | 37,06 | 25,62 | | |
| | 1989/90 | 4.338.386 | 3.010.296 | 11.542.200 | 37,59 | 26,08 | | |
| | 1990/91 | 4.233.089 | 3.107.115 | 11.745.800 | 36,04 | 26,45 | | |
| | 1991/92 | 4.201.879 | 3.098.785 | 11.953.100 | 35,15 | 25,92 | | |
| | 1992/93 | 4.165.400 | 3.093.516 | 12.164.000 | 34,24 | 25,43 | | |
| _ | 1993/94 | 4.192.163 | 3.162.484 | 12.378.700 | 33,87 | 25,55 | | |
| | 1994/95 | 4.457.208 | 3.386.119 | 12.708.500 | 35,07 | 26,64 | | |
| | 1995/96 | 4.225.823 | 3.511.681 | 12.977.000 | 32,56 | 27,06 | | |
| | 1996/97 | 4.919.999 | 3.736.966 | 13.196.600 | 37,28 | 28,32 | | |
| | 1997/98 | 5.042.688 | 4.055.263 | 13.357.000 | 37,75 | 30,36 | | |
| _ | 1998/99 | 5.204.090 | 4.128.625 | 13.460.000 | 38,66 | 30,67 | | |
| | 1999/00 | 5.297.983 | 4.248.131 | 12.844.000 | 41,25 | 33,07 | | |
| | 2000/01 | 5.478.604 | 4.417.965 | 12.810.200 | 42,77 | 34,49 | | |
| | 2001/02 | 5.712.744 | 4.621.560 | 12.776.500 | 44,71 | 36,17 | | |
| | 2002/03 | 5.941.787 | 4.818.575 | 12.739.100 | 46,64 | 37,83 | | |
| _ | 2003/04 | 6.194.860 | 5.031.821 | 12.697.000 | 48,79 | 39,63 | | |
| | 2004/05 | 6.311.385 | 5.108.813 | 12.661.600 | 49,85 | 40,35 | | |
| | 2005/06 | 6.511.288 | 5.455.203 | 12.615.800 | 51,61 | 43,24 | | |
| | 2006/07 | 7.213.542 | 6.748.211 | 12.830.462 | 56,22 | 52,60 | | |
| | 2007/08 | 7.804.134 | 6.473.906 | 12.897.898 | 60,51 | 50,19 | | |
| | 2008/09 | 8.346.200 | 5.955.075 | 12.984.338 | 64,28 | 45,86 | | |
| | 2009/10 | 9.112.792 | 7.296.366 | 13.092.200 | 69,60 | 55,73 | | |
| | 2010/11 | 9.288.525 | 7.443.357 | 13.169.628 | 70,53 | 56,52 | | |
| | 2011/12 | 9.647.949 | 7.292.202 | 12.628.600 | 76,40 | 57,74 | | |
| 3οι | urce: Center f | or Educationa | I Data and St. | atistics, Secret | ariat Genera | I, MoEC | | |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC Notes: ISSS = Islamic Senior Secondary School, Since 1979, including ISSS

The JSS expansion will be supported by building new schools, appointing new teachers, making more infrastructure and facilities available and developing the Open Junior Secondary School (*SMP Terbuka*) program for 13-15 year old children who are not able to follow the regular JSS. At the nonformal education channel, the number of Packet B program

participants grew even higher during 5th FYDP. The number of participants was 316.60 thousand in 1999 and became 353.81 thousand in 2010, but then decreases became 225.78 thousand in 2011 (Table 2.17). This program is equivalent to the JSS and is also directed towards the Nine-year Basic Education Compulsory Program launched at 1994/1995.

The senior secondary education level in Table 3.6 also showed some growth. It can be seen by the increase of gross enrollment rates in the general and vocational senior secondary schools (GSSS and VSSS). The number of 16-18 year old population at the SSS level grew consistently since 1st FYDP to 5th FYDP. GER was 8.58 percent in 1968 and has reached 33.87 percent in 1993/1994, and 76.40 percent in 2012/2013. Net enrollment ratio also increase from 5.03 percent in 1968 to 25.55 percent in 1993/1994 and finally to 57.74 percent in 2012/2013 (Graph 3.2).

The expansion at the higher education level has constantly taken place through public and private universities or colleges. Gross enrollment rate of higher education in Table 3.7 shows that in 1968 was 1.70 percent and there was a consistent increase up to 9.46 percent until 1993/1994. Since 1994/1995 the students of higher education was calculated by including students from Islamic higher education and higher education established other than MoEC. Among which the sharp increment of GER were at 1993/1994 and 2006/2007. The rate was a little bit increases to 11.48 percent in 1994/1995 and to 13.06 percent in 2004/2005. In 2012/2013 GER of higher education becomes 27.10 percent (Graph 3.2).

A number of studies found that one of the causes to influence the not equitable educational quality is the admission and finances. Every unit of education is expected to have the capacity to manage their own admission processed and educational finances. The participation of the local government, community and business in educational finance should be encouraged in order not to be a burden for the already limited funds provided by the central government. Government subsidy has been playing an important role in balancing educational cost among universities and regions.

Educational equity and equality need improvement by eliminating constraints that hinder gifted and talented candidates to get specific educational treatment according to their needs and capacities. There is also a need to develop the student admission process in order to catch students with the right talent and qualification. The government subsidy also plays important role in assisting those gifted students of low economic status.

Table 3.7 Gross Enrollment Ratio (GER) Higher Education (HE) Year 1968-2012/2013

| Academic | | Population | GER |
|--------------|-----------|------------------------|-------------|
| | Students | | |
| Year | 156.500 | 19-24 years | (%) |
| 1968 1969 | 176.900 | 9.214.914 9.764.800 | 1,70 |
| | | | 1,81 |
| 1970 | 206.800 | 10.219.803 | 2,02 |
| 1971 | 213.200 | 10.693.261 | 1,99 |
| 1972 | 221.500 | 11.203.465 | 1,98 |
| 1973 | 227.100 | 11.726.184 | 1,94 |
| 1974 | 231.938 | 12.262.885 | 1,89 |
| 1975 | 250.126 | 12.748.615 | 1,96 |
| 1976 | 275.098 | 13.181.025 | 2,09 |
| 1977 | 305.583 | 13.626.687 | 2,24 |
| 1978/79 | 334.134 | 14.087.111 | 2,37 |
| 1979/80 | 457.633 | 14.650.603 | 3,12 |
| 1980/81 | 543.175 | 15.108.600 | 3,60 |
| 1981/82 | 596.781 | 15.292.700 | 3,90 |
| 1982/83 | 715.422 | 15.479.000 | 4,62 |
| 1983/84 | 823.925 | 15.767.600 | 5,23 |
| 1984/85 | 977.302 | 16.362.600 | 5,97 |
| 1985/86 | 1.217.563 | 17.088.400 | 7,13 |
| 1986/87 | 1.265.180 | 17.846.400 | 7,09 |
| 1987/88 | 1.179.489 | 18.638.000 | 6,33 |
| 1988/89 | 1.356.756 | 19.464.700 | 6,97 |
| 1989/90 | 1.485.894 | 19.641.400 | 7,57 |
| 1990/91 | 1.590.593 | 19.842.500 | 8,02 |
| 1991/92 | 1.773.459 | 20.135.600 | 8,81 |
| 1992/93 | 1.794.056 | 20.853.500 | 8,60 |
| 1993/94 | 2.043.380 | 21.597.000 | 9,46 |
| 1994/95 | 2.544.488 | 22.157.800 | 11,48 |
| 1995/96 | 2.649.936 | 22.751.000 | 11,65 |
| 1996/97 | 2.703.896 | 23.391.000 | 11,56 |
| 1997/98 | 2.735.721 | 24.166.500 | 11,32 |
| 1998/99 | 2.952.023 | 24.704.400 | 11,95 |
| 1999/00 | 3.004.664 | 24.222.600 | 12,40 |
| 2000/01 | 3.199.174 | 24.280.300 | 13,18 |
| 2001/02 | 3.348.567 | 24.494.700 | 13,67 |
| 2002/03 | 3.441.429 | 24.706.000 | 13,93 |
| 2003/04 | 3.318.333 | 24.911.900 | 13,32 |
| 2004/05 | 3.284.289 | 25.148.200 | 13,06 |
| 2005/06 | 2.691.810 | 25.347.200 | 10,62 |
| 2006/07 | 3.755.187 | 22.484.900 | 16,70 |
| 2007/08 | 4.375.354 | 25.357.900 | 17,25 |
| 2008/09 | 4.792.874 | 26.998.000 | 17,75 |
| 2009/10 | 4.657.547 | 25.366.600 | 18,36 |
| 2010/11 | 5.484.429 | 20.821.674 | 26,34 |
| 2011/12 | 5.381.270 | 19.858.146 | 27,10 |
| | | | |

Note: 1. Since 1994, students data include Islamic higher education students 2. In 2012/2013, population data is population age 19 - 23 year

The educational policy in Indonesia pays attention to the issue of gender. A trend shows that the majority of new entrants are male in each province. Having set that the social-geographical are constant factors, male students turn out to have better opportunities of getting admission compared to girls.

Table 3.8
Percentage of Female Students
PS, JSS, SSS and HE
Year 1968-2012/2013

| Academic | Primary | Junior Sec. | Senior Sec. | Higher |
|----------|---------|-------------|-------------|-----------|
| Year | School | School | School | Education |
| 1968 | 45,22 | 40,99 | 32,80 | 19,75 |
| 1973 | 45,28 | 38,33 | 33,88 | 22,48 |
| 1978/79 | 46,95 | 40,94 | 37,45 | 26,48 |
| 1983/84 | 47,64 | 42,47 | 40,61 | 29,56 |
| 1988/89 | 48,32 | 45,03 | 43,49 | 34,85 |
| 1993/94 | 48,26 | 46,52 | 45,65 | 37,03 |
| 1994/95 | 48,16 | 47,28 | 45,70 | 38,32 |
| 1995/96 | 48,11 | 47,55 | 45,58 | 38,38 |
| 1996/97 | 48,13 | 48,73 | 46,90 | 39,37 |
| 1997/98 | 48,15 | 47,99 | 48,04 | 44,01 |
| 1998/99 | 48,21 | 47,16 | 48,19 | 42,95 |
| 1999/00 | 48,33 | 48,22 | 47,81 | 46,25 |
| 2000/01 | 48,44 | 48,48 | 48,30 | 46,25 |
| 2001/02 | 48,46 | 48,50 | 48,32 | 46,27 |
| 2002/03 | 48,52 | 49,36 | 46,77 | 43,86 |
| 2003/04 | 48,77 | 49,07 | 46,67 | 51,00 |
| 2004/05 | 48,26 | 49,59 | 47,62 | 48,55 |
| 2005/06 | 48,26 | 49,58 | 47,72 | 47,74 |
| 2006/07 | 48,23 | 49,19 | 47,78 | 50,04 |
| 2007/08 | 48,23 | 50,81 | 52,22 | 49,96 |
| 2008/09 | 48,24 | 49,25 | 47,60 | 52,26 |
| 2009/10 | 49,65 | 49,30 | 52,08 | 50,01 |
| 2010/11 | 49,54 | 49,13 | 47,70 | 50,64 |
| 2011/12 | 48,48 | 49,13 | 47,91 | 50,35 |
| | | | | |

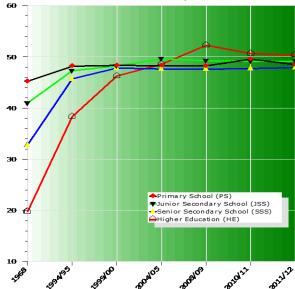
Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Note: Students in schools/institutions under MoEC only

Another trend in Table 3.8 also indicates that the higher the level of education, the greater proportion of male student compare to female students. In 1968, the percentage of male students enrolled in PS was 54.78 percent and the percentage of female students was 45.22 percent. The percentage of male students enrolled at the JSS level was 59.01 percent and female students 40.99 percent. The percentage of male students enrolled at SSS level is 67.20 percent and female students 32.80 percent. The percentage of male students at higher education level was 80.25 percent and female students 19.75 percent. During the past 25 years, in 1993/1994, the percentage of female students in PS increases to 48.26 percent, JSS to 46.52 percent, SSS to 45.65 percent, and HE to 37.03 percent. In 2012/2013 the proportion of student changed to 51.52 percent and 48.48 percent for male and female students in PS, respectively, 50.87 percent and 49.13 percent in JSS,

52.09 percent and 47.91 percent in SSS, and 49.65 percent and 50.35 percent in HE, as well (Graph 3.6).

Graph 3.6
Trend of Percentage of Pupils by Sex and Level of Education
Year 1968-2010/2011



Source: Center for Educational Data and Statistics, Secretariat General, MoEC

B. Improvement of Education Quality, Relevancy, and Competing Ability

At the end of the 20th century, Indonesia belongs to one of the Asia Pacific countries which evolve an industrial economic structure. Mentioned in Chapter I, competition among nations with economic power is tight and influences its development in science and technology. Facing a tight competition of industrial development, there is a growing need for Indonesia to have experts and technocrats in several fields of science and technology which will provide quality of education.

Excellence in science and technology is not merely determined by the mastery of pure and applied sciences. Primary and secondary education is considered the bases of capacity and habit development of lifelong learning. As long as the superiority in science and technology is concerned, the quality of science and technology education is inseparable from primary, secondary and tertiary education. Notwithstanding, efforts in improving educational quality at every level and type of education is getting high priority during the last ten years.

Efforts have been made in improving the educational quality at the primary/basic level, through: 1) curriculum development,

including the planning of subject matters that is conducive to early development of science and technology; 2) improved quality and welfare of teachers and other educational manpower; and 3) provision of adequate facilities.

Numerous factors influence educational quality, such as: teachers, facilities and equipment, curriculum, teaching-learning processes and evaluation system. However, teachers cannot be treated equally with other factors. The teacher is the prime factor to expedite development in the school system and is expected to encourage and utilize other factors effectively to increase the quality of process of teaching and learning. With regard to other factors, the teacher factor can be considered the most determinative factor for quality improvement in education.

Table 3.9 Number of Teachers by Teaching Qualification Year 2012/2013

| Level of Educational | Qualified | Un- Qualified | Total |
|-------------------------|-----------|------------------|-----------|
| Kindergarten (KG) | 79.131 | 195.968 | 275.099 |
| Percentage | 28,76 | 71,24 | 100,00 |
| Primary School | 729.281 | 820.995 | 1.550.276 |
| Percentage | 47,04 | 52,96 | 100,00 |
| Junior Secondary School | 434.397 | 79.434 | 513.831 |
| <u>Percentage</u> | 84,54 | 15,46 | 100,00 |
| Senior Secondary School | 404.427 | 35.741 | 440.168 |
| <u>Percentage</u> | 91,88 | 8,12 | 100,00 |
| Higher Education | 105.117 | 87.827 | 192.944 |
| <u>Percentage</u> | 54,48 | 45,52 | 100,00 |
| Total | 1.752.353 | 1.219.965 | 2.972.318 |
| Percentage | 58,96 | 41,04 | 100,00 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Notes: Teachers/lecturers in schools/institutions under MoEC only Qualified teachers of Primary School to Senior Secondary School are teachers at least graduated from graduate program (Sarjana/Diploma 4 or higher)

Qualified Teachers of Higher Education are teachers graduated from postgraduate program (master's degree program or higher)

Based on 2012/2013 data in Table 3.9, and also based on Act Number 20, Year 2003 on the National Education System, number of qualified teachers in primary school is very low (47.04 percent) compared to junior secondary (84.54 percent), senior secondary (91.88 percent), and higher education (54.48 percent). In average, qualified teachers in all levels are 58.96 percent (Graph 3.7).

Graph 3.7
Percentage of Teachers by Teaching Qualification and Level of Education
Year 2012/2013

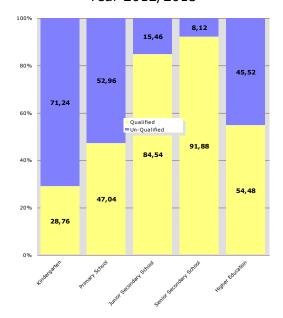


Table 3.10

Number of Teachers by Highest Certificate and Level of Education
Year 2012/2013

| Highest | Level of Education | | | | | | | | |
|--------------------|--------------------|---------|---------|---------|--------|-----------|-------|--|--|
| Certificate | KG | PS | JSS | SSS | HE*) | Total | % | | |
| < Graduate Program | 145.706 | 729.281 | 79.434 | 35.741 | 824 | 845.280 | 31,34 | | |
| % | 71,28 | 47,04 | 15,46 | 8,12 | 0,43 | | | | |
| > Graduate Program | 58.700 | 820.995 | 434.397 | 404.427 | 87.003 | 1.746.822 | 64,76 | | |
| % | 28,72 | 52,96 | 84,54 | 91,88 | 45,09 | | | | |
| Master degree | | | | | 88.594 | 88.594 | 3,28 | | |
| % | | | | | 45,92 | | , | | |
| Doctorate Degree | | | | | 16.523 | 16.523 | 0,61 | | |
| % | | | | | 8.56 | | -, | | |

Notes: Teachers in schools/institutions under MoEC only

The relevancy of expertise and teaching job is related to the role of education institution to produce teacher. The quality of education at the school level (PS, JSS and SSS) is closely related to the capacity of the education institution in producing qualified teacher in accordance with the learning demand. Yet there are no studies on the quality of teachers produced by the institution, and the studies only discuss about the capacity of the institution to produce teachers and their ability to teach certain subjects.

Table 3.11 shows that the institution is estimated to be able to produce 13.29 thousand PS teachers from their graduate programs per year. This is a relatively small number compared to the national demand of teachers. The number of graduates is even smaller compared to the number of teachers retired, passing away or leaving (for other non-teaching jobs) which reaches 21.77 thousand persons every year.

Table 3.11
Needs of Teachers of Primary School
Year 2012/2013
(According to the School Level Curriculum)

A. By One Shift Assumption

| Classification | Needs of Teachers (Global) | Graduates*) | Existing Teachers | Attrition | Stock | Additional Need |
|-------------------|----------------------------------|-------------|----------------------|-----------|-----------|--------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| Class Teachers | 1.060.597 | 13.289 | 911.909 | 13.679 | 911.519 | -149.078 |
| Sport Teachers | 146.826 | 0 | 148.376 | 2.226 | 146.150 | -676 |
| Religion Teachers | 146.826 | 0 | 195.746 | 2.936 | 192.810 | 45.984 |
| English Tech. | 146.826 | 0 | 76.901 | 1.154 | 75.747 | -71.079 |
| L.C Tch. | 146.826 | 0 | 68.649 | 1.030 | 67.619 | -79.207 |
| Principals | 146.826 | 0 | 148.695 | 743 | 147.952 | 1.126 |
| Total | 1.794.727 | 13.289 | 1.550.276 | 21.768 | 1.541.797 | -252.930 |
| Shortage | | | | | | -298.914 |
| Surplus | | | | | | 45.984 |

B. By Double Shift Assumption

| Classification | Needs of Teachers (Global) | Graduates*) | raduates*) Existing Teachers | | Stock | Additional Need |
|-------------------|----------------------------------|-------------|---------------------------------|--------|-----------|--------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| Class Teachers | 878.157 | 13.289 | 911.909 | 13.679 | 911.519 | 33.362 |
| Sport Teachers | 146.826 | 0 | 148.376 | 2.226 | 146.150 | -676 |
| Religion Teachers | 146.826 | 0 | 195.746 | 2.936 | 192.810 | 45.984 |
| English Tech. | 146.826 | 0 | 76.901 | 1.154 | 75.747 | -71.079 |
| L.C Tch. | 146.826 | 0 | 68.649 | 1.030 | 67.619 | -79.207 |
| Principals | 146.826 | 0 | 148.695 | 743 | 147.952 | 1.126 |
| Total | 1.612.287 | 13.289 | 1.550.276 | 21.768 | 1.541.797 | -70.490 |
| Shortage | | | | | | -149.836 |
| Surplus | | | | | | 79.346 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Notes:

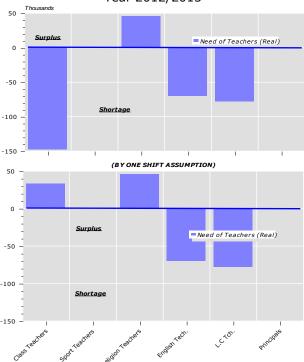
- 1. *) estimated figure
- 2. Teachers in schools under MoEC only
- 3. Assumption used:
 - a. every school needs one principal and one for each Sport, Religion, English, and Local Contents Teachers
 - b. one shift assumption: class teachers needed equal to number of classes
 - c. double shift assumption: class teachers needed equal to number of classes minus number of classes for grade 1 and grade 2
 - d. attrition of principals = 0.5 percent, of teachers = 1.5 percent
- 4. means shortage of teachers and + means surplus teachers

By using one shift assumption in Table 3.11A, an additional of 676 persons, are needed for sport teachers 71.08 thousand for English teachers need 71.08 thousand, local contents teachers need 79.21 thousand, and principals need 1.1

thousand. So, the need of additional for all teachers is 252.93 thousand. It means that there are 298.91 thousand shortage teachers but there are surplus of religious teachers as many as 45.98 thousand (Graph 3.8). When using the double shift assumption as shown in Table 3.11B, the need of additional teachers including principals became smaller. There are a surplus of 79.35 thousand class and 45.84 thousand Religious teachers in 2012/2013, but there are need of additional 149.84 thousand other subject matters teachers (Graph 3.8).

Graph 3.8

Need of Additional Teachers for Primary School
One and Double Shift Assumption
Year 2012/2013



Source: Center for Educational Data and Statistics, Secretariat General, MoEC

The number of JSS teachers needed in 2012/2013 as shown in Table 3.12 is 613.03 thousand. Those teachers are teaching several subjects according to the current curriculum. The number of graduates from the education institution that produced teachers is 92.28 thousand. In total, there is need of additional 32.61 thousand JSS teachers was in 2012/2013. In fact, there is surplus of 56.87 thousand teachers in almost all subject matter teachers and shortage of 89.48 thousand teachers in other subject matter teachers. These shortage

teachers are principal (1.58 thousand), natural science (2.78 thousand), handicraft and arts (36.83 thousand), English (1.67 thousand), ICT (5.64 thousand), and guidance and counseling (45.44 thousand) (Graph 3.9).

Table 3.12
Needs of Teachers of Junior Secondary School
Year 2010/2011
(According to the School Level Curriculum)

| No. | Responsibility | Needs of Teachers | Graduates*) | Existing Teachers | Attrition | Stocks | Need Of Additional Teacher |
|-----|------------------------------|----------------------|-------------|----------------------|-----------|---------|----------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 1. | Principals | 31.567 | 0 | 31.567 | 1.578 | 29.989 | -1.578 |
| 2. | Pancasila & Civics Education | 30.507 | 10.327 | 31.749 | 1.587 | 40.489 | 9.982 |
| 3. | Religion Education | 30.507 | 1.753 | 43.557 | 2.178 | 43.132 | 12.625 |
| 4. | Indonesian Language | 61.015 | 13.564 | 59.078 | 2.954 | 69.688 | 8.673 |
| 5. | Mathematics | 61.015 | 9.839 | 58.497 | 2.925 | 65.411 | 4.396 |
| 6. | Natural Science | 61.015 | 362 | 60.920 | 3.046 | 58.236 | -2.779 |
| 7. | Social Science | 61.015 | 13.698 | 66.575 | 3.329 | 76.944 | 15.929 |
| 8. | Handicraft and Arts | 61.015 | 6.344 | 18.784 | 939 | 24.189 | -36.826 |
| 9. | Physical & Health Education | 30.507 | 8.774 | 26.149 | 1.307 | 33.616 | 3.109 |
| 10. | English | 61.015 | 11.436 | 50.433 | 2.522 | 59.347 | -1.668 |
| 11. | ICT | 30.507 | 3.863 | 22.112 | 1.106 | 24.869 | -5.638 |
| 12. | Local Contents | 30.507 | 12.131 | 26.297 | 1.315 | 37.113 | 6.606 |
| 13. | Guide & Counseling | 62.836 | 192 | 18.113 | 906 | 17.399 | -45.437 |
| | Total | 613.028 | 92.283 | 513.831 | 25.692 | 580.422 | -32.606 |
| | Shortage Teachers | | | | | | -89.479 |
| | Surplus Teachers | | | | | | 56.873 |

Source: Center for Educational Data and Statistics, Secretariat General, MoEC

Notes:

- 1. *) estimated figure
- Teachers in schools under MoEC only
- 3. Assumption used:
 - a. every school needs one principal
 - b. teachers needed = (no. of classes x teaching hours) / load of teaching (18 hours)
 - c. attrition of principals = 0.5 percent, of teachers = 1.5 percent
- 4. means shortage teachers and + means surplus teachers

Table 3.12 shows an attrition of 25.69 thousand teachers in 2012/2013. The education institution big that produces teachers is demanded to produce at least 124.9 thousand teachers per year, i.e. the actual number of attrition (teaching leaving, retired or otherwise) plus current shortage of teacher. If assumed that 10 percent of graduates are not going to be teachers, the shortage is even bigger. In fact, in 2012/2013 the education institution that produced teachers is estimated to produce 92.28 thousand teachers for JSS (Graph 3.9).

Graph 3.9
Needs of Additional Teachers of Junior Secondary School
Year 2012/2013

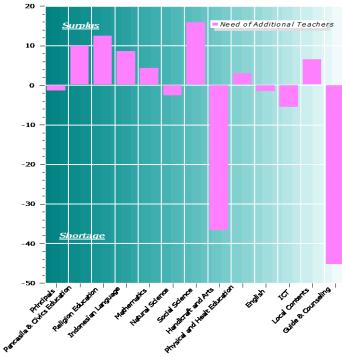


Table 3.13 shows that the number of GSSS teachers is 264.51 thousand in 2012/2013. They teach several subjects according to the current curriculum. The number of graduates from the education institution that produced teachers is 92.27 thousand. In total, the need of additional GSSS teachers is 41.68 thousand in 2012/2013. But, there is shortage of 19.51 thousand teachers in 4 subject matters; these are Principals, English, ICT, and Guide Counseling. On the other hand, there are surplus of 61.18 thousand teachers in 15 subject matters (Graph 3.10).

Table 3.13 shows an attrition of 13.23 thousand teachers in 2012/2013. In 2012/2013 the education institution that produced teachers only produced 92.27 thousand teachers for GSSS. This figure outnumbered the total number of teachers needed for each subject in 2012/2013. The surplus of teachers can compensate teachers leaving because of retired or other reasons (Graph 3.11).

Table 3.13 Needs of Teachers of General Senior Secondary School Year 2012/2013

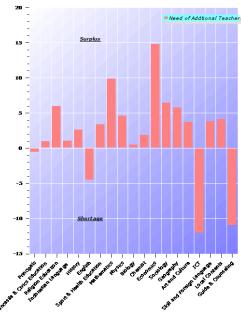
| No. | Responsibility | Needs of Teachers | Graduates*) | Existing Teachers | Attrition | Stocks | Need Of Additional Teacher |
|-----|------------------------------|----------------------|-------------|----------------------|-----------|---------|----------------------------------|
| (1) |) (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 1. | Principals | 11.654 | 0 | 11.654 | 583 | 11.071 | -583 |
| 2. | Pancasila & Civics Education | 13.567 | 411 | 14.883 | 744 | 14.550 | 983 |
| 3. | Religion Education | 13.567 | 825 | 19.716 | 986 | 19.555 | 5.988 |
| 4. | Indonesian Language | 27.495 | 7.413 | 22.286 | 1.114 | 28.585 | 1.090 |
| 5. | History | 9.299 | 89 | 12.450 | 623 | 11.917 | 2.618 |
| 6. | English | 27.205 | 331 | 23.431 | 1.172 | 22.590 | -4.615 |
| 7. | Sport & Health Education | 7.048 | 68 | 10.940 | 547 | 10.461 | 3.413 |
| 8. | Mathematics | 27.061 | 14.314 | 23.832 | 1.192 | 36.954 | 9.893 |
| 9. | Physics | 17.644 | 7.874 | 15.186 | 759 | 22.301 | 4.657 |
| 10. | Biology | 17.644 | 1.405 | 17.693 | 885 | 18.213 | 569 |
| 11. | Chemist | 17.644 | 4.813 | 15.497 | 775 | 19.535 | 1.891 |
| 12. | Economics | 15.719 | 10.681 | 20.886 | 1.044 | 30.523 | 14.804 |
| 13. | Sociology | 8.052 | 5.753 | 9.265 | 463 | 14.555 | 6.503 |
| 14. | Geography | 12.269 | 9.201 | 9.313 | 466 | 18.048 | 5.779 |
| 15. | Art and Culture | 7.048 | 4.868 | 6.251 | 313 | 10.806 | 3.758 |
| 16. | ICT | 13.567 | 1.348 | 110 | 6 | 1.453 | -12.115 |
| 17. | Skill and Foreign Language | 13.856 | 13.142 | 4.807 | 240 | 17.709 | 3.853 |
| 18. | Local Contents | 13.567 | 3.392 | 15.113 | 756 | 17.749 | 4.182 |
| 19. | Guide & Counseling | 27.976 | 6.346 | 11.199 | 560 | 16.985 | -10.991 |
| | Total | 301.882 | 92.274 | 264.512 | 13.226 | 343.560 | 41.678 |
| | Shortage Teachers | | | | | | -19.506 |
| | Surplus Teachers | | | | | | 61.184 |

Notes:

- 1. *) estimated figure
- 2. Teachers in schools under MoEC only
- 3. Assumption used:
 - a. every school needs one principal
 - b. teachers needed = (no. of classes x teaching hours) / load of teaching (18 hours)
 - c. attrition of principals = 0.5 percent, of teachers = 1.5 percent
- 4. means shortage teachers and + means surplus teachers

The other challenge is the requirement of having need assessment of teachers and other educational staff based upon demands in the field. The study should be an ongoing activity of the education institution that produces teachers, especially for provinces where the institutions are located. The need for teachers is not only limited to the number and composition of subject teachers but also to the quality of needed teachers based upon concept and empirically found in the field. There is a need for the institution and Provincial Office of Education to have a program of cooperation as the Provincial Office of Education will be the user and employer of their graduates. If this can be materialized, the institution will become an inseparable part of the educational workforce as their output can meet the demand of the users.

Graph 3.10
Needs of Additional Teachers of General Senior Secondary School
Year 2012/2013



Efforts in the improvement of higher education quality are emphasized through research and development of science and technology including the distribution and publication of research results to make the community become science-and-technology-minded. The efforts will improve the integration of research in education and the role of the community in the teaching-learning processes.

The quality of higher education can be viewed through several important factors like the quality of lecturers, time on task, supporting learning facilities, and equipment. The other important factor is the commitment of the lecturer towards their profession and expertise, capacity for research, and other remedial activities.

The other problem is the fact that not much time has been spent by the lecturers on teaching-learning processes at the universities. It is an important issue as many full-time lecturers work also in other universities on a part time basis, especially in private universities. The reason given is the small remuneration received at a public university and the many vacancies at private universities.

In a modern university, there is space for each lecturer to discuss and show students which books to read and give explanation. The actual process of learning occurs in the library where the student usually sits. At the current Indonesian universities the most important and the only source of learning is the lecture given, and from where most of the test items are derived. The student is reluctant to look for other sources or reference books, and this becomes the constraint in developing independent learning, creativity and analytical thinking.

The other constraint for the lecturer is the inability to read books written in foreign languages. It is a basic problem as it applies to the majority of the lecturers. Translated copies are scarce and are mostly published by private enterprises not caring about good quality translations which often confuse the reader.

A complaint has been heard very often, that Indonesian universities do not produce knowledge but consume knowledge provided by developed countries. It is difficult to find empirical proof but it is evidenced by the small number of basic research that not to mention quality research. There is no research about the average number of studies where a lecturer is involved, but according to daily observations the majority of lecturers are working in research projects from outside or the private sector. In addition, the research projects may not be in line with their expertise. The funds provided by the Directorate-General of Higher Education for research need to be improved to attract the interest of lecturers to work in research. Aside from the provision of funds, research activities should also be encouraged to enrich lecturers' knowledge. Yet it is for certain that programs like these should be made known and communicated among the lecturers.

A library is the "heart" of the university. It is the place where all information and knowledge are kept and should be the source of information for all students. The role of the lecturer is to show and tell the students how to choose and use the right information effectively. The number of books stored in the library is one of the indicators for quality.

Viewed from the composition of available employment opportunity, higher education programs should better be adjusted to the needs. The provision of higher education graduates in the labor market is calculated on the basis of educational level and the number of students registered. The total number of student depends upon community aspiration and the number of available universities. The university has to consider three factors before opening a new department 1) community aspiration, 2) employment needs viewed from the business world; and 3) the capacity of the institution.

Community aspiration towards higher education is one of the bases for determining which study subjects need to be offered, as it becomes the demand of the community. However, community aspiration is often biased towards the aim of having credibility (graduate degree and diploma programs for example) instead of mastering a certain subject. Sometimes being accommodative towards the community may result in having problems; the universities are mostly producing social science graduates while the country needs more manpower with natural science skills especially the business world in the advent of strategic planning.

The concept of "link-and-match", i.e. between provision and need of manpower should be used as the basis for university program development. The university is encouraged to foster and develop study programs that are better suited to and needed by the local environment to boost local development. Local development is an integral part of national development. Research in need assessment of various development sectors is a must in improving higher education relevancy to employment needs.

Imbalance between provision and need of graduate degree program graduates is interesting and becomes a challenge to improve higher education relevancy to the needs of various expertise across sectors. In line with the "link and match" policy within the framework of educational relevancy to employment needs, cooperation between universities and the business/industry/relevant organizations need to be improved and programmed systematically.

To strengthen the above policy, the MoEC emphasized the importance of cooperation starting from planning, implementation, and evaluation stages, including having research and development activities between MoEC and industry and relevant businesses.

Relating to the mentioned issues, the MoEC's policy may be as follows. First, the stage of curriculum development is cooperated to educational program. Dialogue educational practitioners or higher education organizers and the industry and business people should be held continuously. It should not be done on an ad-hoc basis but it should be institutionalized to quarantee mutual benefits. Both sides should also feel the need to have functional interaction in developing curriculum and educational programs. Second, collaborative works is needed at the stage of teaching-learning process. The university and industry should work together for the benefit of education. The learning process is oriented towards industry as the industry is more knowledgeable about industrial practices and what student should learn. Learning provided by the school is limited to enrichment of theoretical bases and concepts that may be useful in practice. Third, collaborative works is needed at the evaluation stage.

Cooperation is based on the assumption that the higher education institution is not the most competent party in evaluating educational success. The role of professional association needs to be materialized in order to be able to assess the capacity and expertise of students after completing a certain stage. There is a need for the university to cooperate not only with business and industry but also with various professional associations. Fourth, collaborative works is needed at the research and development stage. This type cooperation is definitely needed in the era of industrialization. It is beneficial for the universities to have information on problems that need to be studied and which are relevant to needs, and the universities can also count on the funds provided by the business for their research. It is mutually beneficial for the industry especially if they are planning to expand. They will be supported with university expertise, and the quality of research and development will be improved.

The four cooperation principles are implemented in the dual system applied by developed countries like Germany and other European countries. This approach should not just be adopted but also adjusted to our educational system and oriented towards the need of the Indonesian business and industry. If education is fully oriented towards future market demands, this kind of cooperation as emphasized by the MoEC needs to be implemented seriously.

Cooperation can vary by type and level, depending upon the outlook and good will of universities and industry/business people. Both sides should be more open in their approaches towards human resources development and all parties should be involved. The government, or in this case the MoEC, has started to work across sectors and ministries in the planning, development and utilization of industrial human resources development.

Large funds are indeed needed to implement relevant vocational education efforts. Having limited finance is the largest problem faced by the higher education institution in keeping up with technology. Only 45 percent of the national budget is allocated to educational activities at the MoEC, the rest is divided for education in other sectors and ministries. Although ideas have been introduced intensively to match education with manpower needs, yet due to limited funds, not all can be materialized.

Short and long-term planning is needed to improve industrial expertise and profession. Short-term planning would include direction towards revision and slight re-modification of education conducted by the coordinated departments and business/industry, the chambers of commerce, the association

of professionals, and other relevant parties. Long-term planning includes the basic effort of structural educational management that is mostly done by business and industry, implicating that the business sector should be authorized to participate in vocational education activities.

C. Governance, Accountability and Public Image

The national education system is not only determined by the role of one main unit but by all units within the MoEC. A MoEC policy will only be successful if all units at the central as well as the provincial levels can work together in achieving the objectives of education.

Successful implementation of MoEC policies does not only depend upon provision of school buildings, teachers and technical staff, educational infrastructure and facilities, but also on various interrelated factors. Along with all the provisions mentioned, there are still many issues that need to be tackled by MoEC to ensure that school education is running smoothly.

Observations were made and it has shown that the management of national education system does not have the sufficient level of efficiency. There are indicators that the efficiency level varies for different types and levels of education.

Table 3.14
Internal Efficiency by Level of Education
Year 2012/2013

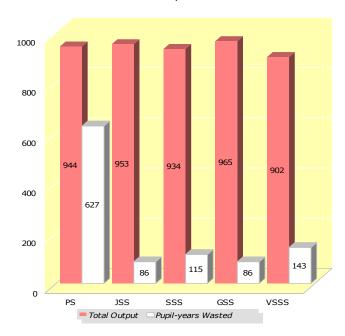
| No. | Components | PS | JSS | SSS | GSSS | VSSS |
|-----|---|-------|------|-------|-------|-------|
| 1 | Total Output | 944 | 953 | 934 | 965 | 902 |
| 2 | Total Pupil-years | 6.039 | 2940 | 2.909 | 2.972 | 2.844 |
| 3 | Total Drop-outs | 54 | 47 | 66 | 35 | 98 |
| 4 | Total Repeaters | 178 | 8 | 9 | 11 | 7 |
| 5 | Average Study Time | | | | | |
| | a. Graduates | 6,18 | 3,01 | 3,01 | 3,01 | 3,01 |
| | b. Drop-outs | 1,43 | 1,54 | 1,49 | 1,88 | 1,34 |
| | c. Cohort | 6,03 | 2,94 | 2,91 | 2,97 | 2,84 |
| 6 | Pupil-years Wasted | • | • | - | | |
| | a. Total | 627 | 86 | 115 | 86 | 143 |
| | b. Repeaters | 428 | 14 | 17 | 21 | 12 |
| | c. Drop-outs | 199 | 72 | 98 | 65 | 131 |
| 7 | Years Input per Graduate | 6,40 | 3,08 | 3,11 | 3,08 | 3,15 |
| 8 | Input-output Ratios (Coefficient of Efficiency) | 0,94 | 0,97 | 0,96 | 0,97 | 0,95 |

In primary school, from cohort 1000, after 6 years of learning total output were 944 in 2012/2013. In junior secondary school, after 3 years of learning total output were 953 from cohort 1000 in 2012/2013. In senior secondary school, after 3 years of learning total output were 934 from

cohort 1000 in 2012/2013. While, for general senior secondary after 3 years of learning total output of was 965 and vocational senior secondary was 902 (Graph 3.11).

The more time needed to complete a level of education is an indicator of low efficiency and the larger the costs spent by the government. The internal efficiency indicator that calculates the time wasted due to dropout or repeating is called "student year wasted". This can be derived by converting the number of students at Grade I with an index of 1,000, follow it through until the last grade to get the number of repeating and dropping-out. Pupil-years wasted in primary school is 627, junior secondary is 86, senior secondary is 115, general senior secondary is 86, and senior secondary vocational is 143. Based on two indicators above (total output and pupils-years wasted, junior secondary school is better than the other two (Graph 3.11).

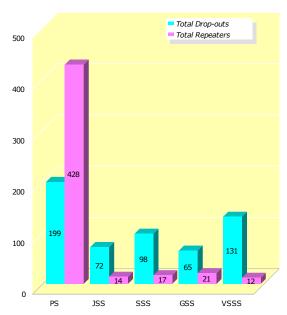
Graph 3.11
Total Output and Pupil-years Wasted
By Level of Education
Year 2012/2013



From cohort 1000, total drop-out in PS was 54, JSS was 47, and SSS was 66. Total drop-out in GSSS was 35 and VSSS was 98. Besides that, from cohort 1000, total repeater in PS was 178, JSS was 8, and SSS was 9. Total repeater in GSSS was 11 and worse than those of VSSS, i.e. 7 (Graph 3.12).

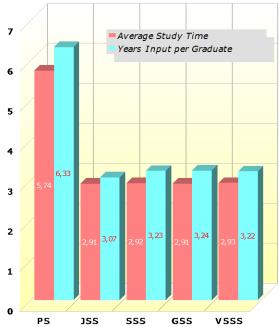
The high rate of repeaters will result in longer duration of a student completing a certain level of education. The PS students need relatively more than the scheduled time (6 years) to graduates. The average study time of graduates for PS was 6.18 years. For JSS using the same condition was 3.01 years and for SSS was 3.01 years with GSSS was 3.01 and VSSS was 3.01 years (Graph 3.13).

Graph 3.12
Total Drop-outs and Total Repeaters
By Level of Education
Year 2012/2013



In 2012/2013 years input per graduate for PS was 6.40 years. For JSS using the same condition was 3.08 years and for SSS was 3.11 years, with GSSS was 3.08 years and VSSS was 3.15 years (Graph 3.13).

Graph 3.13
Average Study Time and Years Input per Graduate
By Level of Education
Year 2012/2013



Source:

Center for Educational Data and Statistics, Secretariat General, MoEC

If we are looking for efficiency of teaching-learning process, we use input-output ratio (coefficient of efficiency). The input-output ratio does not stand alone but is influenced by the number of students repeating and dropping out at certain grades. Coefficient of efficiency for each educational level in 2012/2013 was PS has reached the lowest level of efficiency, i.e. 0.94, compared to JSS and GSSS. Input-output ratio for each type of school was JSS is 0.97, SSS was 0.96, GSSS was 0.97 a little bit bigger than VSSS 0.95 in 2012/2013 (Graph 3.14).

To seek for the extent to which the input-output ratio accountable for internal efficiency of an education system, there is a need for a monitoring system to improve the internal efficiency of education supported by a good information system and data collection. The low rate of internal efficiency is very much determined by other factors like teachers, books, infrastructure, facilities, and the teaching-learning processes. This would be the improvement attained by the Office of Education at provincial and district level, as well as enhancing their public image.

Graph 3.14 Input-Output Ratios by Level of Education Year 2012/2013

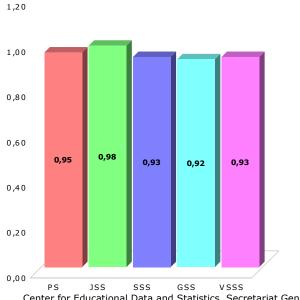


Table 3.15 shows that the number of primary school children dropping-out was relatively high, i.e. 1.46 percent or more than 100 students. The total number of drop-outs for each level between in 2012/2013 shows that the majority dropouts in PS are at Grade II, Grade IV, and Grade V, these are 1.09 percent, 1.06 percent, and 1.34 percent respectively. Repeaters are reported at 2.89 percent.

High percentage of Grade I repeaters of primary school in 2012/2013 needs serious attention. This situation happen because Grade I students are not yet ready to go to school. Data in Table 3.15 shows that the higher the grade the lower the repetition rate. Since high repetition rate (above 1 percent) happen at almost each grade (except Grade VI = 0.16 percent), special program need to be made. It was 6.62 percent at Grade I, 3.69 percent at Grade II, 3.04 percent at Grade III, 2.27 percent at Grade IV, and 1.56 percent at Grade

Table 3.16 shows that the number of junior secondary school children dropping-out is relatively high, i.e. 1.57 percent. The total number of drop-outs for each level between in 2012/2013 shows that the majority drop-outs at Grade I JSS, i.e. 2.49 percent, while Grade II was 1.84 percent and Grade III JSS was 0.37 percent.

Table 3.15
Internal Efficiency using Student Cohort Model
Primary School
Year 2010/2011-2012/2013

| Year | | Grade I | Grade II | Grade III | Grade IV | Grade V | Grade VI | Total |
|--------------|-----------|-----------|--------------------------|--------------|-----------|------------------------|-------------|------------|
| | | | | | | | | |
| 2010 | Students | 4.914.137 | 4.758.108 | | 4.635.320 | | | 27.580.215 |
| 2011 | Students | 4.668.150 | 4.735.300 | | | | | 27.583.919 |
| ļ | Repeaters | 325.239 | 175.444 | 142.235 | 105.232 | 69.981 | 6.504 | 824.635 |
| 2010 | Promotion | 92,79% | 95,22% | 96,19% | 96,67% | 97,10% | 99,29% | 96,21% |
| To I | Repeaters | 6,62% | 3,69% | 3,04% | 2,27% | 1,56% | 0,16% | 2,89% |
| | Drop-outs | 0,59% | 1,09% | 0,77% | 1,06% | 1,34% | 0,56% | 1,46% |
| 2010 | Graduates | | | | | | | 4.090.219 |
| - | | 0.1.1 | | C: T | | <i>Ct.</i> 1 | | , , , |
| Total Out | | = 944 | | rage Study T | | Stud | ent-Years W | |
| | dent Year | = 6.039 | Gra- | Drop- | Co- | | Repe- | Drop- |
| Total Dro | | = 54 | duates | outs | hort | Total | aters | Outs |
| Total Rep | peaters | = 178 | 6,18 | 1,43 | 6,03 | 627 | 428 | 199 |
| | | | Years Input per Graduate | | | Input-output Ratios | | |
| | | | | 6,40 | | | 0,94 | |

Notes: Schools under MoEC only

Different to PS, the number of repeaters of Junior Secondary school in 2012/2013 for each level does not need serious attention. It was 0.29 percent at Grade I, 0.34 percent at Grade II, and 0.16 at Grade III.

Table 3.17 shows that the number of Senior Secondary school children dropping-out is relatively high, i.e. 2.23 percent. The total number of drop-outs for each level in 2012/2013 shows that the majority drop-outs at Grade I SSS was 3.90 percent, Grade II SSS was 2.26 percent and at Grade III SSS was 0.53 percent.

Table 3.16
Internal Efficiency using Student Cohort Model
Junior Secondary School
Year 2010/2011-2012/2013

| Year | | | Grad | le I | Grade II | Grade II | I | Total | Graduates | |
|--------------------|-------------------------------------|---|--------------------------|-----------------------------|----------------------------------|------------------------|----------------|----------------------------------|-------------|--|
| 2010 2011 | Students Students Repeaters | | | .96.485 854.317 9.242 | 3.014.032 3.117.819 10.295 | 3.135. 2.953. 4. | | 9.346.454 9.425.336 24.443 | 3.119.322 | |
| 2010 To 2011 | Promotion Repeaters Drop-outs | | 9 | 97,22% 0,29% 2,49% | 97,82% 0,34% 1,84% | - , | 7% 6% 7% | 98,17% 0,26% 1,57% | | |
| Total Outputs | | = | 953 | Ave | erage Study T | ïme | 9 | Student-Years | Wasted | |
| Total Stud | Total Student Year | | 2.940 | Graduates | Drop-outs | Cohort | Tota | l Repeater | s Drop-outs | |
| Total Drop-outs | | = | 47 | 3,01 | 1,54 | 2,94 | 86 | 14 | 72 | |
| Total Rep | eaters | = | 8 | | | | | | | |
| | | | Years Input per Graduate | | | Input-output Ratios | | | | |
| | | | | 3,08 | | | 0,97 | | | |

Table 3.17
Internal Efficiency using Student Cohort Model
Senior Secondary School
Year 2010/2011-2012/2013

| Year | | | Grad | e I | Grade II | Grade II | I | Total | Graduates |
|-----------------|-----------|---|--------------------------|--------|----------------|---------------------|------|---------------|-----------|
| 2010 | Students | | 2.9 | 46.732 | 2.526.712 | 2.380. | 853 | 7.854.297 | 2.123.072 |
| 2011 | Students | | 2.9 | 17.532 | 2.825.973 | 2.472. | 119 | 8.215.624 | |
| | Repeaters | | | 11.131 | 5.179 | 7. | 712 | 24.022 | |
| 2010 | Promotion | | | 95,73% | 97,53% | 99,1 | 5% | 97,47% | |
| To | Repeaters | | | 0,38% | 0,20% | 0,3 | 2% | 0,30% | |
| 2011 | Drop-outs | | | 3,90% | 2,26% | 0,5 | 3% | 2,23% | |
| Total Out | nuts | _ | 934 | Ave | erage Studv Ti | me | | Student-Years | Wasted |
| | dent Year | - | 2.909 | | | Cohort | Tota | | |
| Total Drop-outs | | = | 66 | | 1,49 | 2,91 | 11! | | 98 |
| Total Repeaters | | = | 9 | | , | ,- | | - | |
| • | | | Years Input per Graduate | | | Input-output Ratios | | | |
| | | | | 3,11 | | | 0,96 | | |

If compare to JSS, the repetition rate of SSS in 2012/2013 for each grade was low. It was 0.38 percent at Grade I, 0.20 percent at Grade II, and 0.32 at Grade III. The opposite situation happened for drop-out. The drop-out rate of SSS in 2012/2013 for almost each level (except Grade III) was higher than those of JSS. It was 3.90 percent at Grade I, 2.26 percent at Grade II.

Table 3.18 shows that the repetition rate of GSSS was slightly higher, i.e. 0.36 percent, while the dropping-out rate were lower, i.e. 1.59 percent, compare to those of SSS. The lowest repetition rate of GSSS in 2012/2013 was in Grade II, i.e. 0.20 percent, while the lowest drop-out rate was in Grade III, i.e. 0.70 percent.

Table 3.18
Internal Efficiency using Student Cohort Model
General Senior Secondary School
Year 2010/2011-2012/2013

| Year | | | Grad | e I | Grade II | Grade II | Ι | Total | Graduates | |
|-----------------|--------------------|---|-------|--------------------------|--------------|----------|---------------------|---------------|-------------|--|
| 2010 | Churdanaka | | 1.4 | 00.442 | 1 217 427 | 1.289. | 260 | 4 105 120 | 1.196.285 | |
| | Students | | | 98.442 | 1.317.437 | | | 4.105.139 | 1.196.285 | |
| 2011 | Students | | 1.4 | 20.331 | 1.476.501 | 1.299. | 635 | 4.196.467 | | |
| | Repeaters | | | 7.108 | 1.963 | 6. | 013 | 15.084 | | |
| 2010 | Promotion | | 9 | 98,40% | 98,19% | 98,8 | 3% | 98,48% | | |
| To | Repeaters | | | 0.47% | 0.15% | 0,4 | 7% | 0.36% | | |
| 2011 | Drop-outs | | | 1,12% | 1,66% | 0,7 | 0% | 1,59% | | |
| | | | | | | | | | | |
| Total Out | Total Outputs | | 965 | Ave | rage Study T | ime | | Student-Years | Wasted | |
| Total Stu | Total Student Year | | 2.972 | Graduates | Drop-outs | Cohort | Tota | al Repeater | s Drop-outs | |
| Total Drop-outs | | - | 35 | 3,01 | 1,88 | 2,97 | 86 | 21 | 65 | |
| Total Repeaters | | - | 11 | | | | | | | |
| | | | | Years Input per Graduate | | | Input-output Ratios | | | |
| | | | | | 3,08 | | 0,97 | | | |

Table 3.19 shows that the repetition rate of VSSS was lower, i.e. 0.23 percent, compare to that of SSS and GSSS. The opposite situation happened for the dropping-out rate that was higher, i.e. 3.34 percent, than drop-out rate of SSS and GSSS. Looking repetition rate of VSSS by grade, only repetition rate in grade II (0.27 percent) was slightly higher than repetition rate of the same grade in either SSS or GSSS. The highest drop-out rate of VSSS in 2012/2013 was in Grade I, i.e. 6.77 percent. Special attention has to be made to decline that high drop-out rate. The lowest drop-out rate was in Grade III, i.e. 0.23 percent.

Table 3.19
Internal Efficiency using Student Cohort Model
Vocational Senior Secondary School
Year 2010/2011-2012/2013

| Year | | | | Grade I | Grade II | Grade | III | Total | Graduates | |
|--------------------|----------------------|---|--------------------------|------------------|------------------------|---------------------|----------------------|------------------------|-----------|--|
| 2009 2010 | Students Students | | | 48.290 97.201 | 1.209.275 1.349.472 | 1.091. 1.172. | | 3.749.158 4.019.157 | 1.086.387 | |
| | Repeaters | | | 4.023 | 3.216 | 1.0 | 699 | 8.938 | | |
| 2009 | Promotion | | 9 | 92,95% | 96,82% | 99,5 | 2% | 96,43% | | |
| To | Repeaters | | | 0,28% | 0,27% | 0,1 | 6% | 0,23% | | |
| 2010 | Drop-outs | | | 6,77% | 2,92% | 0,3 | 2% | 3,34% | | |
| Total Outputs = 90 | | | | Ave | rage Study Ti | me | Student-Years Wasted | | | |
| | dent Year | _ | | | Drop-outs | Cohort | Total | Repeaters | Drop-outs | |
| Total Drop-outs | | = | 98 | | 1,34 | 2,84 | 143 | 12 | 131 | |
| Total Repeaters | | = | 7 | | | | | | | |
| | | | Years Input per Graduate | | | Input-output Ratios | | | | |
| | | | | 3,15 | | | 0,95 | | | |

Improvement of educational efficiency is determined by two factors: 1) professional management of education and 2) expanded participation in educational management. Efficient management of education is one of the main strategies of

MoEC. It is determined by the capacity of bureaucrat in making decisions, planning, and management. Past experience showed that the formulation of policies is more or less influenced by irrational consideration. There is a need to institutionalize the role of data and information as a routine system that is capable to support decision-making and to ensure accurate and fast decision making. The MoEC officials should have the capacity to be administered, process, analyze, and present data according to needs. The data collection system at the Ministry should be coordinated and involving all units to produce integrated data needed to formulate policies.

In the long run an accurate and effective data processing systems needs to be established through improved infrastructure at the central and provincial levels covering staff capacity, the flow of data as part of administration, training centers, and other supporting facilities. To improve the efficiency of educational management, data analysis and retrieval needs to be implemented continuously and in-depth to ensure that each working unit is managing efficiently.

Professional management of the educational systems should be done on a continuous basis by improving the capacity of central and provincial working units. They are expected to be able to produce, analyze/utilize, and dissemination data and information effectively so each unit will know and understand its problems of data management and then makes decisions, or to plan and manage their local educational activities efficiently. An information system should also be developed in order to be able to provide high quality data and information through the establishment of a database in each district. This database will become the only source of data for all apparatus at the provincial and national levels.

To further improve the capacity of local officials, there is a develop further school-mapping based need to Information System Geographical (GIS). The planning, decision-making and management of education can thus be adjusted to the condition of the province based upon the latest information. If educational management conducted by local data and information staff has been improved, then the central government would only act as a facilitator and decentralization functions can grow and flow down vice versa effectively. The efficiency of educational management is automatically improved if the above condition prevailed.

CHAPTER IV PERSPECTIVE OF THE NATIONAL DEVELOPMENT PROGRAM 2005-2009

As mentioned in National Development Program year 2005-2009, (*Education Strategic Planning*) the following is the vision and mission of the Ministry of National Education.

Vision: To shape the Indonesian man who is healthy, self-

reliant, intelligent, with a noble character, having control of science and technology and equipped with

a high work ethos.

Mission: To achieve a system and climate of national

education that is democratic, equitably spread, and having quality in order to shape the Indonesian man who is religious, devoted, has a noble character, is creative, innovative, with a vision of nationality, intelligent, healthy, disciplined and responsible,

skilled and controlling science and technology.

A. The Related Situation

Indonesia faced a number of enormous challenges. Towards the change of the century that is imminent, our nation faced with various challenges of global dimensions. The most prominent challenge in the global era was the ever stricter competence among nations in various aspects of life, and the increased standard competence to work in various sectors. In order to be competent in the global life structure, superior and competent human resources quality is required.

Hence, the role of education was very decisive regarding the ability of the people to compete. Aside from facing various challenges as described, the Indonesian faced an economic crisis that affects political and social life, and even disintegration of the nation. Reforms as a national movement had changed the development policy of the past to become more democratic, admitting equality of man and development that was more decentralized directed towards a civil society.

In connection with the shift in the mentioned development, a number of themes and problems of the national education could be put forward. In various issues related to education have been categorized into three major themes, namely: a) Equitable access of education, b) Quality of education, and c) Education Management System.

1. Equitable Access of Education

The number of pupils of PS and IPS in 2005/2006 reached 25.98 million. This total number had a slight increased from 25.61 million in 1999/2000. The effort to equitably access of education had increased the total of new entrants to grade I or students of grade I in PS from 4.32 million to 4.49 million students.

The net enrolment rate (NER) of PS had risen from 90.98 percent in 1999/2000 to 98.40 percent in 2005/2006. The gross enrolment rate (GER) of PS had increased from 108.13 percent in 1999/2000 to 115.03 percent in 2005/2006. To support this equitable access education, the number of primary schools continued to be increased so that in 2005/2006 the total was 148.26 thousand schools. Granting scholarship to approximately 1.8 million PS students from economically less advantaged families during the past two years also helped rescue the achievement of NER and GER of PS in the time of economic and monetary crisis. The program called as a Social Safety Net Program (*JPS*) launched by the government to mitigate the impact of the economic crisis in the area of education.

It was important to note that up to 2005/2006 there were still approximately 755,9 thousand children age 7-12 years who were not in the school system because they had not enrolled in school and/or had dropped out of school. These two conditions were caused by the large number of poor people who live in underdeveloped villages and in urban slums which limited capacity of the family to finance the education. In addition the limited communication means in particular in isolated islands constitute a constraint for the population to get educational services. Although 755.9 thousand is not too high, this fact cannot be neglected because it involves the right of every Indonesian child to have education service.

Another problem that needs attention was the fact that many students still have to repeat a school grade. Reconstructed Cohort analysis showed that only 57.4 percent of the primary school student successes to complete their study within 6 years, 20.1 percent within 7 years, 4.3 percent within 8 years and the remaining within 9 years or they drop out of school. For that, internal efficiency of education still needs attention to continue to be improved.

The success of equitable access of education at the level of primary school level affected the raise of GER at junior secondary school (JSS) and Islamic JSS (IJSS). The total number of JSS level students in 2003/2004 had reached 7.52 million. This total is a decrease from 7.60 million in 1999/2000.

The GER of JSS had reached 85.22 percent. This success was due to the launching of the Universal Nine-Years Basic Education Program at the beginning of the 6^{th} Five-Years Development Plan (year 1994/1995). Through this program amongst other the construction of new building units ($UGB = unit \ gedung \ baru$) of JSS level was intensively undertaken accompanied by procurement of means and infrastructure and the provision of educational staff.

Nevertheless the success of the Universal Nine-Year-Basic Education Program since 1997 had been threatened by the economic crisis, so that it was worried that the GER would drop. Therefore in the frame of the Social Safety Net at the level of JSS level a scholarship was made available for 17 percent of JSS level students or a total of about 1.7 million students. This effort was undertaken to retain students from poor families to stay in school and to attract students who were forced to drop out due to the economic reasons.

The success of the equitably access effort in senior secondary school had raised the total number of senior secondary school graduates who continued to higher education from 41.25 percent in 1999/2000 to 51.61 percent in 2005/2006. The GER of higher education decreased from 12.40 percent in 1999/2000 to 10.62 percent in 2005/2006. The slow decrease of GER at higher education level was due to the limited place capacity due to the limited existing means and infrastructure. The following were the problems identified in increasing the GER at the higher education. An enhanced role of the private sector to take part in organizing education had been encouraged but it was not fruitful yet because of the high investment especially in organizing an exact education program. The lack of geographical spread of university capacity to support the regional development was another problem. Networking and resource-sharing among universities which was not functioned optimally was still also another problem.

Aside from school education, the education development also assigned priority to out-of-school education (it consists of non-formal education and informal education) as an effort to support the achievement of the Universal Nine-Year-Basic Education program.

The non-formal education program had carried out various activities in the form of: implementation of the Packet A Learning Group not comparable to Primary School or Illiteracy Elimination which is now more focus on skills activities or better known as Functional Literacy (FL) or Functional Illiteracy Elimination (FIE); Packet A equitable to Primary School; Packet B equitable to Junior secondary School; the organization of

Business Learning Groups; and Organization of Scholarships and Apprenticeships.

The low educational level of the Indonesian population in general could be shown by the still high number of the population with PS and lower educational level. The 1995 Population Survey between Census (PSBC) indicated that there were still 17.59 million or 11.54 percent of the population age 10 years or older had little chance to follow formal education at a PS. Therefore within these boundaries it could be predicted that the population of 10 years and older that never went to school would reach 11.54 percent. At the same time there were 42.61 million of the population age 10 years and older who did not/have not yet finished PS. If the figure is deducted by the number of pupils of PS level i.e. 29.48 million in the school year 1994/1995, it would be found that 13.13 million of the population aged 10 years and over or 8.6 percent did not finish PS. The same data source also indicated that there was 49.58 million of the same population group who graduated from JSS. If it was deducted by the number of JSS students in the school year 1994/1995 of 7.54 million (including IJSS students), then the population group of that age that only finished PS is 42.04 million or 27.56 percent. As whole, in 1999 in Indonesia there were 71.31 million or 43.27 percent of the population aged 10 years and older and some outside the school system only had PS education or less.

From the condition of the population who completed their education as described above it was also found that the population age 10 years and over who worked according to the education level completed, a number of 9.7 million people who did not or never went to school, 19.6 million people who did not or have not yet completed PS, and 26.7 million people who finished PS out of the 80.1 of the population age 10 years and over.

2. Quality of Education

Aside from effort to maintain the participation rate in education at every educational level, the effort of enhancing quality and relevance of education is also developed. Unlike the equitable access of education, the enhancement of education quality so far did not show clear results. One of the quality indicators at PS level is the ability to calculate, read and write. The data show that the original score of national final examination (*NEM*) for the mathematics did not undergo a significant increase from 4.22 in 1989/1990 to 4.86 in 1996/1997. Likewise, *NEM* for the Indonesian Language and Natural Sciences were slightly incerase from 6.37 and 4.27 in

1989 to 6.51 and 4.86 in the year 1996/1997. Compared to other countries, the quality of basic education in Indonesia was still left behind. For example, the score of reading for IV grade PS in Indonesia, the Philippines, Thailand, Singapore and Hong Kong consecutively was 51.7, 52.6, 65.1, 74.0 and 75.5 in 1992. The low educational quality was due amongst others to the competence and distribution of teachers which was still inadequate, the lack of educational means and infrastructure, and inappropriate curriculum.

Teachers are vital components who may lead to the quality of education at PS level. In line with the technological and scientific developments the demand for competency to become a PS teacher also undergoes adjustment; based on Act Number 2 Year 1989 on the National Education System the requirements to become a PS teacher one must have at least Diploma-II qualification. The latest available data show that of approximately 1.2 million PS teachers only approximately 161 thousand (13.8 percent) have diploma education or higher, while the remaining still has Lower Senior secondary level or lower.

The effort to improve the quality of teachers has begun namely through the program of Diploma-II leverage. To the end of 2004, nearly 500 thousand PS teachers plus religious teachers had attended the Diploma-II program. Also there was the certification program of class room teachers for public and private Islamic PS who have already attended Diploma-II in religion but not for class teachers, so that they are qualified as Diploma-II religious teacher but are also certified again for their ability as class teacher. In addition, there was also the certification program for class teachers as sport science teacher, so that he could become a sports teacher with better ability and knowledge of sport than an ordinary class teacher who is forced to become a sport teacher. Up to 1996 at PS level only 21 percent of the teacher fulfilled the above-mentioned qualifications, therefore the effort to enhance the qualification of these teachers are to be continued.

The effort of enhancement the qualification of the teachers needs to be done in more extra fashion when the new act (Act Number 2 Year 1989 on the National Education System is replaced by Act Number 20 Year 2003 on the National Education System) is applied in the field. The extra hard effort should be done because the requirement for qualified teacher becomes higher, for example: all teachers from the kindergarten to senior secondary school should have a *Sarjana* degree (strata 1) plus professional certificate.

The low quality of teachers and educational staff was among others to the lack of interest of senior secondary school

graduates, in particular for those with high achievement, to choose a teacher education field. The teacher profession is not appealing because there is no system of appreciation/salaries of educational staff based on level of ability, professionalism, and devotion. In addition, the system of career building for teachers and other educational staff is also not yet strong enough.

Another factor, the cause of the low educational quality is the inequitable distribution of teachers, regions as well as fields of study. For the level of PS, in general, there is a surplus of teachers in the urban areas while in the rural areas there is a shortage of teachers. Based on data collection conducted by the State Personnel Agency (*BKN*) in 1997 due to the inequitable distribution of teachers among schools, on one hand there was a shortage of teachers at national level of 156.454 persons and on the other hand there was a surplus of teachers of 12.917 persons, in some provinces. At JSS and SSS level, there were teachers of specific subjects who combined teaching other subject. In addition, the limited formation caused the educational effort in specific regions to have experienced a shortage of teachers.

Another important determinant factor of the quality of education is the availability of educational means and infrastructure. Up to 1998/1999, 171 thousand PS level had been build throughout Indonesia. However when viewed from its quality, of the 173 thousand PS level in Indonesia, 19 thousand schools are in totally damaged condition and must be immediately replaced, while 42 thousand are in heavily damaged condition. That means approximately 61 thousand PS (35 percent) must be immediately and swiftly tidied up. This is to illustrate that the physical condition of PS in Indonesia from the aspect of the building as well as of equipment is very worrving.

An interesting fact from the data regarding damage is that 22 percent of the schools in heavily damaged condition are in the province of West Java. This is very contradicting considering that West Java is close to various facilities. But it is also possible to understand that from the number of schools which is sufficiently high, the expensive land price and the density of the population had resulted in a big challenge to build a school that really satisfies the standards of a good school.

Other means and infrastructure that are insufficient are the lack of major textbooks. According to calculation the procurement of major textbooks for PS level in 1998/1999 was filled at a ratio of one school packet for one pupil. Therefore the procurement of books in 1999/2000 only had the nature of replacing damaged books and books for newly build school.

Nevertheless in the field there is still a book shortage found in schools. This situation among others is due to difficulties in distribution so that the books do not reach the school and the data of the number of pupils which is not appropriate. This fact mainly happens in regions where the transportation infrastructure is not yet adequate like in island regions.

At JSS level the procurement of major textbooks according to calculation also had reached the ratio of one book packet for one pupil. Meanwhile for general senior secondary school (GSSS) the major textbooks have not yet reached the ratio of one book packet for one pupil. This is due to the numerous types of book that must be procured at SSS level. This situation also occurs in vocational senior secondary school (VSSS). The department and cluster of study subjects in VSSS is greatly varied, among schools, the numbers of pupils per department is also greatly varied with the results that it is difficult to fulfill the need for textbooks of VSSS pupils. In addition to that, books for VSSS were still very limited in authors, so that foreign publication books were needed to be translated into the Indonesian Language.

In order to secure the quality of the learning and teaching process, in particular due to the economic and monetary crisis, in the year 1999/2000 Operational Aid Funds (OAF) for educational purposes were given to: 104,350 PS; 1,236 JSS; 9,400 SSS; 52 state HE, and 745 private HE; and to 290 state and private Islamic HE. In addition, the effort to grant OAF was also aimed at preventing the schools to impose too many contributions on the parents of pupils which could have the impact of a decrease in interest to continue studying.

Another problem that was faced at the senior secondary level is that the number and type of vocational senior secondary school graduates and professional education at higher education level does not yet fully correspond to the need for skilled staff and expert staff in various development fields. In addition, the system and process of learning and teaching at senior secondary school level is not yet able to produce graduates with adequate quality to continue to the higher education level.

According to the policies and measures to create a better curriculum, in 1998/1999 a 1994 Supplementary Curriculum was successfully developed which covered all learning subjects and educational levels beginning with PS to SSS (GSSS and VSSS). The 1994 Supplementary Curriculum which was an improvement of the 1994 Curriculum would be implemented in the school year 1999/2000.

At the higher education, the challenge faced was that there is still numerous academic staff with *Sarjana* level of education

who teaches at graduate study programs. The effort to enhance the qualification of academic staff had been endeavored by granting scholarships to academic staff to continue their education in a post graduate program either inside the country or abroad. Nevertheless, there is number of constraints that hinder major parts of academic staffs to continue their study to the post graduate program due to the factor of older age, and limited academic and foreign language capacity.

At the time before the crisis, although the Indonesian economy grew an average 6.5 percent per year, the absorption of manpower graduated from universities did not increase simultaneously. University graduates still had difficulty in finding a job with a sufficient period of job seeking. One of the causes was the mismatch between ability and knowledge owned by the graduates and the needs of the employment world, in particular the problem-solving ability and practical skills.

The proportional number of students in the field of science and engineering is one of the causes of the above-mentioned mismatch. The plan to raise the proportional number of students in science and engineering in state universities to become 25 percent in 1999 from 14 percent in 1993 had not yet been achieved. The establishment of science and engineering education needs much higher costs compared to the education in social sciences and humanity. This causes the sluggish effort to expand the proportion of students in science and engineering became smaller due to the tendency of private HE to open social science and humanity study programs with the consideration of much lower investment needs.

The enhancement of the quality of non-formal education was conducted on education within the family circle as the first place of education and pre-school education. Aside from acting as an initial vehicle for social interaction before the child enters primary education it is develop to be better ability to lay the base for character and personality building and implanting good character values through the spearheading program Early Childhood Education (ECE). Since 1998 various activities were conducted with the aim to support educational services, health and nutrition in an integral/holistic manner in particular for early age children (0-6 years) to be ready to enter primary school at due time; among those activities are: implementation instructions reflecting the condition of the area (community) and the institute handling it: implementation map of the ECE program; (4) seminars regarding Development of Early Age Children at National Level.

In addition to guarantee the quality of non-formal education programs such as Packet A and Packet B, equalizing

examinations were held through national examination (*PEHAPTANAS*) which was compiled cross-sector and cross-departmental in order to receive acknowledgement of the community and the employment world.

Through the non-formal program it was managed to lower the illiteracy rate, so that in 1995 the population group age 10 years and over who were illiterate became 12.56 percent from 15.92 percent in 1990 (based on 1995 SUPAS). The lowering of the illiteracy figure was due to the Packet A unequal to Primary School (eradication of illiteracy). As an effort to support the Compulsory Primary Education program the Packet A equal to Primary School and Packet B equal to Junior Secondary School organized. Meanwhile in the effort to enhance entrepreneurship, a guide was given to the Business Learning Group in the form of business capital assistance and along with guidance of the courses that exist in the community.

3. Education Management System

On one hand, the national education is centrally managed to some level, on the other hand the implementation of education should be decentralized, especially in the level of basic education, which are a very complicated issue because there are two institutes that handle basic education, namely the regional government and sector institutes. The regional government institution (in this case is the Ministry of Home Affairs) is responsible for the physical aspects of the school, while the educational quality is the responsibility of the sector institution (in this case is Ministry of National Education).

Due to this dualism, schools are unable to develop their ability at their optimum. This condition causes the school become very dependent on the two above-mentioned institutes, which some times in the implementation become very difficult. This situation is among others due to the educational background of the existing Head of the Education Office, so that there is a lack of concern for Educational Regional Development of the Ministry of Home Affairs in 1997 it is indicated that the greater part of the Head Offices of Education and Culture in the District/Municipality did not have a background as the holder of a degree in education.

In view of the decentralization of education that will be applied based in the District/Municipality, the role of Educational Offices starts to be enhanced and implementation of educational programs, starts to be integrated involving regional government institutes and sector institutes. Since 1998/1999, in several provinces, the integration has started to be spearheaded in handling basic education, namely for PS

level and JSS level among the regional government institute, in this case the Education and Culture Office or the Education and Teaching Office, the sector institute in the case the Ministry of National Education and the Ministry of Religious Affair. The integration is marked by the activity managing official is taken from the above-mentioned three agencies. The activities conducted encompass mapping of the school, additional access (rehabilitation and construction of school building), teacher training and expansion of staff at the various agencies mentioned above. The above-mentioned activity had been spearheaded in six provinces namely West Java, North Sumatera, Riau, Bengkulu, South Sulawesi, and Maluku.

The activity of school mapping that was conducted made it clear that the construction of new school units were only constructed in specific regions while not exterminating the existing school unit especially for private schools, either private PS, private IPS, private JSS, and private IJSS.

The physical condition of the existing PS level buildings indicated how severe the condition was of the majority of PS and IPS buildings that are the place to form a base for shaping the Indonesian man of quality. From the analysis of the previous budget blueprint it was found that to date the allocation of rehabilitation programs of PS Precidential Order (*Inpres SD*) tended not to apply an equitable accessing blueprint, so that handling of the condition and needs of the schools could not be carried out thoroughly.

Starting from the idea to improve the condition of the means and infrastructure of PS level, the program of Revitalizing and Rehabilitating of PS level in the Fiscal Year was developed. This program which was known under the name of *P2DIKDAS* was designed in such a way by competent expert that it would produce fruitful products. In the fiscal year 1999/2000 it become the Program of Development and Revitalizing of PS Level and was designed by the Directorate General of Housing, Planning, and Urban Development (*Cipta Karya*) of the Ministry of Public Works as the accountable party for the construction of quality PS level that were created and implemented through a Revitalizing model, regrouping, and reconstruction.

These blueprints have been socialized to the regional government, through the granting of larger autonomy to the Municipality/District. It is expected that this effort could be continued and developed referring the program of Construction and Revitalizing of PS level. It is very much regretted that there are still Districts/Municipalities with above mentioned larger autonomy who return to use the former blueprint, namely

equally distributing the existing budget to all schools that there are the relevant Municipality/Districts.

To support the operation and maintenance of the school financial assistance is given to PS level schools known as Operational and Maintenance Fund (OMF) of PS level. In 1989/1999 and before, OMF was assigned Rp. 850 thousand per school plus Sports and Scout Guidance Fund (SSGF) of Rp. 100 thousand per school. The allocation of OMF and SSGF funds was done flat to all schools without considering whether the school was financially capable or incapable, whether it had many or not many students, and other considerations. The blueprint was evaluated not to give a sense of equality to each school, because there were poor schools with a high number of students that got the same amount of assistance funds as a rich school with a small number of students.

Setting out from the above-mentioned discrepancies starting 1999/2000 a new OMF PS level blueprint has been applied namely the application of the allocation based on a formula. The formula is based on poverty indicators: the number of students, the isolation of a certain region, and other factors that are relevant to the various regions. Based on the above formula every PS level would receive different OMF funds according to their condition and need. For the implementation of the new formula, training had been conducted for the relevant officials in the Districts/Municipalities, which was held in August 1999. The training attended by at least 1600 persons spread over three (waves) of the District/Municipality officials.

To improve this program also a Community Complaints Unit (CCU) had been established at several levels, starting at Central level, Province, down to the level of the District/Municipality that functions as a facilitator and conducts corrective measures in respect of various complaints of the community involving irregularities/manipulations of use of the fund in the field by various parties.

Bearing in mind that the school is the executive unit of formal education that is at the front with various and potentials of the pupils which need varying educational services, environmental condition that differ among one another, the school has to be dynamic and creative in carrying out its role to enhanced educational quality. endeavor This implemented if the school is given the confidence to regulate and organize itself according to environmental condition and the needs of its pupils. In connection with the above facts, as of 1999 in various JSS and GSSS, a School Based Quality Management approach has been developed. This approach offers close operation between school, community, and the government with their various responsibilities. The school must be able to interpret and to catch the essence of the macro policy on education while understanding the conditions of its environment, through the planning process, to formulate it into a micro policy, namely the form of priority programs that must be implemented and evaluated by the school concerned according to the vision and the mission of the various schools.

A most prominent issue in guidance of education is the freedom of educational institution in managing its resources (autonomy). The educational institutes to date have not yet been assigned full independen in managing resources. In the case of finance, for example, the educational budget frequently has a top-down character, is centralized, rigid, input-oriented and too bureaucratic, so that it is difficult to achieve high efficiency and effectiveness.

During the few years a competitive based funding has been developed so that HE institution would be spurred on to always try to expand. With the issuance of the Government Regulation Number 61 of the year 1999 regarding the autonomy of higher education, the effort to grant more autonomy to HE becomes more secure. The participating role of the community in organizing education including exploring and exploiting resources acquired would improve.

Academic freedom for all civitas academia in implementing activities related to their tasks must be given adequately. At the level of higher education, academic freedom must encompass the freedom of the academic forum and scientific autonomy constituting freedom owned by members of the civitas academia to carry out activities related to the education and development of science and technology in a responsible and independent way.

The problem and constraints encountered in reforming the higher education system at the moment are: 1) an insufficiently flexible and adaptive curriculum in respect of the employment market needs; and 2) the education management system that is rigid and less effective in carrying out its institutional role.

In the Non-formal Education Program, there are several reforms in the process of learning and teaching at the moment, namely: 1) better enhancement of the quality of the material in learning found in the activity of Packet A not equal to PS/Illiteracy Eradication which formerly only concerned for the teaching of reading and calculating, now is enhanced to the activities of skills so that the pupils aside from being able to read and write is also well versed in skill activities enable him to do business. This activity is called Functional Literacy (FL) or Functional Illiteracy Eradication (FIE), and 2) to give a name to the place for learning groups to carry out the activity of the process of learning and teaching so as to be stronger from the

aspect of organization, called as the Centre of Community Learning Activities (*PKBM*).

B. Policy Strategy

To achieve the aims of education, Basic Guidelines of the State Policy Outlines have stipulated a number of education development policy strategies, namely:

- to endeavor the expansion and equitable distribution of the opportunity to obtain high quality education for the entire people of Indonesia in line with the creation of Indonesian man of high quality through a significant increase in the educational budget;
- 2. to enhance academic and professional ability as well as to enhance social security of educational staff so that the educational staff would be able to function optimally particularly in enhancing the education in order to restore the authority of educational institutes and staff;
- to undertake reform of the educational system including reform of the curriculum to serve the diversity of pupils, the compilation of a nationally and locally effective curriculum in fulfilling the local interests, and diversification of the types of education is designed in a professional manner;
- to empower the educational institutes either formal or nonformal as the centre of cultivating values, attitude and ability, while enhancing the participation of the family and the community, the educational institutes is supported by adequate means and infrastructure;
- 5. to undertake reformation and strengthening of the national education system based on the principles of decentralization, scientific autonomy and management;
- 6. to enhance the quality of educational institutes organized either by the community or the government to strengthen an effective and efficient educational system in facing the development of science, technology and art; and
- 7. to develop the quality of human resources as early as possible in a steered, integrated, and holistic manner through various proactive and reactive efforts by all components of the nation so that the younger generation could develop optimally along with the supportive and protective rights according to their potentials.

C. Education Development Programs

There were three programs in education development. These were program of guiding primary and secondary education, program of guidance of higher education, and program of non-formal education.

1. The Program of Guiding Primary and Secondary Education

The equitable distribution of Primary Education as the preliminary level of formal education would be enhanced. This is done through the development of educational infra structure particularly in the form of school buildings in order to accommodate primary school graduates. The construction of school buildings is steered to give an opportunity to private schools to continue developing. This situation would occur when development is conducted in line with the educational map that has already calculated correct location according to the development of the number of pupils.

At primary school level, revitalizing of already exiting school buildings would be undertaken through regrouping so that the units of schools that are formed would have adequate facilities and the school building would be optimally beneficial. There were many schools found with an extremely small number of pupils.

In isolated regions, minus regions, critical regions, border regions that already have developed along with new settlement regions including transmigration regions it would still be necessary to build new school units. The new school units that are built in these regions would be for PS, JSS as well as General Senior Secondary School (GSSS). Meanwhile the construction of additional classroom would be prioritized for densely populated areas. The activity of rehabilitating damaged school buildings would be enhanced by transferring the responsibility to the regional government. Especially for isolated and border regions it would be endeavored by supplying a service house for the school principle and a teacher's house.

In order to expand the accommodation capacity and enhance the quality of education more efficiently and effectively, particularly in big cities, at JSS and GSSS level education would be spearheaded and organized through schools with a big accommodation capacity of 3 thousand to 5 thousand students.

In the scope of strengthening continuation of education for less fortunate students and to curb the number of drop-outs or repeaters, it would be necessary to provide guidance, enlightenment and motivation to the student, parents and the community. For talented and high achiever students who cannot afford it, it must be endeavored to obtain a scholarship and various other types of assistance of an education at least until JSS level. Educational services for the society groups that for various reasons are unable to follow education at regular JSS it would be organized through Open JSS or non-formal education (especially Packet A, Packet B, and Packet C). In isolated areas with limited population of JSS age Mini JSS would be organized.

For students who have extraordinary intelligence special efforts would be undertaken to enable better development of their potential and ability. In addition, the program of providing additional food in schools would be developed, in particular in underdeveloped areas that lack nutrition and health. The participation role of the community including the business world would be stimulated among others through the foster parent program and provision of other assistance.

The schools and pupils most vulnerable group in respect of the monetary crisis impact are the pupils at private schools. Data indicate that the figure of dropouts at private schools was much higher than the figure of dropouts at public schools starting from PS level up to higher education. Therefore, in order to enhance the opportunity to get high quality of education, equal attention and assistance should be given to private schools and public schools.

In connection with the above fact, operational a maintenance funds at PS level would be given (OMF PS level). Meanwhile at JSS and SSS Level an operational aid fund would be given (OAF). This fund is given in the form of a block grant so that the school would be able to use this fund in a flexible manner according to their needs. In addition, gradual relief of School Tuition Fee would be undertaken, elimination of enrolment requirements from PS to JSS, and elimination of education cost assistance to high achievers from poor families. Meanwhile students from rich families would be encouraged to share in educational finance more proportionally.

Teachers and teaching staff are central in the effort to enhance the quality of education at primary and secondary education level. The effort to clear up education must be involve the structuring and clearing up of teachers and educational staff. Thus, the quality of teachers and other educational staff must be enhanced in order to support enhancement of the quality of education along with the image, authority, dignity and value of teachers. Hence, re-schooling and re-training along with refreshment would be conducted as a continuously going on process. Scholarships would be given

to educational staffs which are capable of the academic aspect, are full dedicated and performed well in their tasks.

The welfare of teachers and educational staff would be enhanced among others through planned career building and adequate appreciation for those who work in rural, border and isolated regions. In addition, a system of incentives and appreciation would be developed for well performing and dedicated teachers.

In order to solve the gap in inter-regional, an improvement of the procurement, appointment and placement system of educational staff would be conducted in all streams, types and level of education, among others through data collection that would be reliable and coordination of inter-related agencies.

In the effort for a better process of learning and teaching, it will be endeavoured to supply major textbooks at the ratio of one book package for one student which is prioritised for schools in poor or underdeveloped areas. In addition, general reading books and other complementing books would be made available as part of the school library. The quality of these books would be enhanced, among others through writing and a better selection system. The role of private publishers in supplying quality books would be stimulated and enhanced. Also essay contests would be held and a contest of making a synopsis for teachers and students to develop their motivation for reading, learning and performing.

Writing and translation, along with multiplying textbooks, reading books and other scientific books would be steered at enhancing the quality of education and to expand the reading horizon along with nurturing the culture of reading and learning of the pupils. Periodically, an evaluation would be made for the teaching material given, so that there would be sustainability in logical teaching material particularly from primary level to secondary level. Meanwhile, the textbook material continues to be strengthened according to the effective curriculum and too frequent changing of textbooks would be prevented. At JSS and SSS level literary guidance would be provided in the scope of nurturing the talent and creativity of the pupils.

Furthermore, in order to enhance the quality of education, additional means and infrastructure would be endeavored in particular for Core PS such as a library, a multi-purpose room, a teachers working group (*KKG*), Natural Science and Mathematics educational tools, along with physical education and health equipment that meet quality requirements according to the requirement of the curriculum and learning-teaching methods. Meanwhile, JSS and SSS would be equipped with supporting rooms in the frame of enhancing quality; namely a library, laboratory, and other library rooms.

Standardization and procurement of demonstration tools and educational media would be undertaken to enhance the appeal and role of the student in the learning-teaching process to raise a sense of self-confidence, an attitude and innovative behavior, creative and responsible. Local resources as learning sources would be increased in its utilization.

The educational development that has gone on to date had not yet fully succeeded in achieving the whole Indonesian man, which amongst others is marked by the still weak values of belief and devotion, a lowering of the noble character, the low acceptance of the reality of plurality in the community, and the deterioration of the values of tolerance and social solidarity. Therefore an education system is needed which is not only responsive to the demands of global needs but also capable of achieving a religious and devout community, with a noble character, intelligent, creative and self-reliant, upholding the value of man and the dignity of the nations, has law awareness, is democratic, appreciates plurality and prioritizes the unity of the nations, as well as being able to compete in the global competition.

The limited resources has resulted in the fact that educational development was more focused on thorough establishment of the Universal Nine-Years Basic Education as one of the efforts to enhance the welfare of the people and to alleviate poverty although enhancing professionalism in order to maintain and enhance the quality and relevance of education also be done. In connection with that, a program was compiled that could accommodate those needs.

In the scope of enhancing efficiency, effectiveness and productivity in the management of Primary Schools along with enhancing the quality of education, re-schooling, guidance and manager training was undertaken particularly for school principals and school supervisors. Enhancement of school based quality was spearheaded at JSS and SSS. This activity was intended to further empowerment of schools in the scope of enhancing the quality of education. Since 1999, as a pilot study, funds were given to some schools in the form of quality management operational (QMOF). The quality development undertaken was not only for major study subjects but also for other study objects such as sport, art and other skills.

The curriculum at all streams, types and levels of education was expanded and enriched periodically in accordance with the development of science and technology, the development of the time and the demand of the development. In addition, the curriculum was enriched by local content which fit well the needs and development of the local region. In its implementation through the development and utilization of the

instructional media it is expected that it stimulates the pupils to take an active part in the implementation of the learning and teaching process. For that reasons, the learning-teaching method would be improved and expanded according to the growth of spirit and logical power of the pupils. Especially in developing the General SS curriculum it would be directed at creating higher efficiency in the learning-teaching process for students who intend to continue to higher education through granting freedom to the pupils to select the major study subject that fit well the department or faculty he/she desired.

For better guarantee that graduates of Vocational Senior Secondary School fulfill the standards acceptable by the employment work, a production unit and professional testing system would be developed, and the practice hours would be increased in learning-teaching process. In addition, a dual education system program continues to be developed.

In the scope of socializing and implanting moral values, religious values and national culture, a vision of nationality and the culture to love science and technology from an early age, improvement of the learning-teaching method is endeavored in dynamic development of the curriculum. In line with that, culture of research and writing would be developed through developing a learning climate that is supportive of organizing scientific activities. For outstanding researchers and writers who are able to produce quality work it would be endeavored to obtain an appreciation that might motivate the other writers and researchers.

In the effort to enhance the opportunity to get high quality education and skills in all streams, types and levels of education need continuously to be developed. The regional government needs to be given larger responsibility organizing education, particularly primary education. This would be achieved in the form of wider competencies at regional level to manage its resources which encompass staff, finances, curriculum, means, and infrastructure. At school level, wider autonomy would be needed to enhance the participation of the community in planning, managing, monitoring, and evaluating the process of education. Therefore new paradigms for educational school based management would be required that give autonomy to the schools to manage and utilize its educational resources according to the development of local needs and cultural environment in the scope of enhancing accountability, efficiency and effectiveness, along with the quality and equitable distribution of education.

In accordance with the principle of school based quality enhancement and the spirit of decentralization, the schools are given larger competencies to determine what is best for the quality building of their teachers. For that, the school compiles the program, the budget is directly to the school, and the school principle decides what kind of training its teachers are going to attend.

The functions of supervision at all level of education are optimum as a means to enhance the quality of education. Supervision is intended to priorities the academics aspects rather than administrative aspects as has been in force to date. Hence, the function of supervisor should be held by a person who is really capable and controls the line of his duty, comes from educational circles, has an appropriate back ground and is systematically prepared through education and training.

2. Program of Guidance of Higher Education

The effort to expand and equally distributed education at the higher education either undertaken by the Government or the community must continue to be stimulated and enhanced. The addition of educational means and infrastructure especially for public HE institution must continue to be enhanced. This must be supported by utilization of the already available means and infrastructure more efficiently such as joint utilization of the laboratory among faculties, even among HE institution.

While the economic crisis was still going on, the provision of educational operational funds by the Government to all public HE institution and some private HE institution was continued. The magnitude of the operational assistance was varied based on tuition fee levied from students and other factors. The higher the tuition fee imposed, the operational assistance given would be relatively lower.

One of the major constraints in the effort of equitable distribution of education at HE level is the high tuition fee. Meanwhile, the government with very limited financial sources is not enabled to give sufficiently high subsidies. Nevertheless, in order to help HE students especially from economically incapable families, the granting of scholarship is still continued and has a high priority. This effort is undertaken aside from avoiding even more drop-out pupils and also to stimulate secondary school graduates to continue their study. In order to increase the opportunity for secondary school graduates who are good achievers but cannot afford to continue education at the HE, the government expects increased participation of the community including the business world and Non-Governmental Organizations (NGOs) in providing scholarships or other assistance.

The ability of the educator is one of the key successes of education. Thus the academic and professional ability of

educational staff must continue to be enhanced. Enhanced quality of the educational staff could be done through various post graduate training and education programs. The research activity as an effort to find the truth and/or to solve a problem in science, technology and/or art must continue to be enhanced. The deeper the control of science by the lecturers, the better the quality of educational organization can also be expected.

Enhancement of the quality of educational staff needs to be endeavored not only for those who have already served, but also for candidate educational staff through a better scouting system, with a belief that good input tends to produce good outputs as well.

Academic freedom for educational staff in undertaking activities related to their duty must be given adequate room. At the higher education level, academic freedom must encompass the freedom of the academic forum and scientific autonomy. This freedom and autonomy constitutes the freedom of members of the civitas academia to carry out activities related to education and the expansion of science and technology, accountable, and in self-reliance.

In line with that, the ability of non-academic staff also continues to be enhanced. Quality administrative staff is very much needed to conduct planning, resource management, monitoring, and evaluation. The ability and skills of other academic staff such as laboratory staffs must be enhanced so that their role in supporting lecturers and researchers becomes more efficient. Thus, training and further education of non-academic staff needs to be supported. Enhanced quality of teaching staff without being accompanied by enhanced quality of non-academic staff like administrative staff, would fail to achieve proportional enhancement of the quality of educational services.

Enhancement of higher education quality is done through the provision of physical means and infrastructure as well as trough enhanced quality of human resources. The provision of educational facilities such as laboratory continues to be increased, so that the teaching material could be controlled by the pupils in a better and deeper manner. The availability of a library including books and other information sources would be increased, so that the civitas academia would find it easier to get information to deepen their scientific knowledge. In this connection, the utilization of facilities by public universities as well as by among private universities must be made possible while considering other needs and conditions. If this would be made possible, the problem of limited facilities due to high investment costs could be reduced.

One of the educational aspects closely related to quality is the relevance of education. It is realized that the relevance of higher education with the employment work is still low, which among others is indicated by the low absorption of HE graduate. In the era before the economic crisis, even though the economy in Indonesia grew an average 6.5 percent per year, absorption of HE graduate did not automatically increase. HE graduates still have difficulty in finding employment with a reasonably long job seeking period. The mismatch between the ability and knowledge owned by the graduates with the needs of the employment works is still high.

One of the efforts that need to be pursued is to increase the proportional number of students of science and technology compared to students in social science and humanism. Expansion and opening of new study programs in this context is the tendency of private HE institutions to open study programs of social studies and humanism with the consideration of much smaller investment needs. The possibility of educational facilities at state universities such as the laboratory and library by private HE institutions would constitute an incentive for private HE institutions to open study programs of science and technology.

Although quantitatively the number of students in social science and humanism must continue to be curbed, the educational quality must continue to be enhanced. The opportunity to enhance the capacity of teaching staff in the field of social science and humanism such as attending continued formal education must be given the same priority as lecturers in science and technology.

In order to secure the organization of education with quality, accreditation must be applied both the public as well as private HE institutions. The accreditation results good HE institutions and guarantee its graduates to be immediately absorbed by the employment world. The selection process by the public is expected to spur on universities to continue being innovative in enhancing its quality to guarantee its existence.

A very prominent issue in the guidance of higher education is the freedom of the HE institutions in managing its resources (autonomy). HE institutions to date have not yet been given full freedom to manage their resources. Planning, including the financing of education, frequently still has the character of top down. In connection with that, utilization of a competition based funding system in financing education needs to be continually improved, so that the HE institutions would be spurred on to always endeavor to expand.

For better secure the achievement of autonomy of the universities, the Government has issued Government

Regulation (*PP*) Number 61 of the year 1999 regarding Autonomy of Higher Education. With this *PP* coming into force, the organization of higher education is implemented study programs on the basis of a curriculum compiled by the various HE institutions, while being guided by the national beacons to secure quality and ability according to the study programs attended.

In line with the *Tri Dharma*, the HE is demanded to develop not only in the field of education but also in the field of research and dedication to the community. In 1998/1999 as a whole 5,624 research titles were conducted. Of this number 60 titles constitutes entrepreneurship activities that involve lecturers and HE students in helping the business world around them to be more innovative and competitive in conquering the market. One hundred seventy five other titles are voucher programs that constitute applied researches.

3. Program of Non-formal Education

Aside from formal education, the development of education also assigns high priority to the improvement of non-formal education. This program is conducted by expanding the type and the scope of activities according to the needs of the community that tend to be increasingly varied and is aimed at enhancement of basic knowledge and skills in entrepreneurship as equipment for the ability to work and to do business. The scope and the quality of Packet A and Packet B for the population who cannot afford to attend basic education in school is expanded and aimed at supporting the Universal Nine-Years Basic Education.

In line with the improvement of the system of final examination (*Pehapta*) is implemented at local and at national level. In order to accommodate the graduates of the Packet B Program, non-formal education services are developed through course that offer an educational program comparable to JSS education. It is endeavored that the participants of the Packet B Program who qualify are enables to take part in JSS final learning evaluation.

The effort to eradicate the three illiterates (illiteracy in Latin letters and ciphers, illiteracy in the Indonesian language and illiteracy in basic knowledge) is increased in the types and levels are expanded in order to accommodate students who dropped out of school from various streams, types and levels of education. In addition, the non-formal education program is directed at providing basic knowledge and skills in professional business so that the learning participants are able to create employment for themselves and their family members.

The education and training program conducted by the community in the form of cultural and hobby education programs such as special skill, fitness, nutrition, art, and languages is guided and developed according to the needs of the community that tend to be increasingly advanced and varied. In line with that, it is endeavored to standardized tests which the education program has already been standardized.

In line with the effort to enhance the quality of human resource, the non-formal education program conducts Packet A and Packet B. In order to guarantee the quality of Packet A and Packet B, equalizing examinations are held through the final examination (*Pehabtanas*) for Packet A and Packet B. The equalizing examination exercises for Packet A and Packet B are compiled jointly cross-sector and cross-department. At the moment the graduates of equalizing examinations have received recognition of the society (civil effect) and the employment world.

The effort to enhance the quality of human resources in rural is done through the Business Learning Group (*KBU*) or apprenticeship. This activity is aimed at rural youth being able to enhance economic growth and the living standard of the rural community.

Through this program guidance, existing courses are conducted for enhancing the quality of those courses. The standardization of 13 types of courses is implemented, encompassing: 1) computer education, 2) secretarial education, 3) hotel business education, 4) electronics education, 5) automotive technician education, 6) catering education, 7) dress making education, 8) beautician education, 9) accountant education, 10) acupuncture education, 11) computer accounting education, 12) tour and travel education, and 13) banking education.

CHAPTER V STRATEGY AND DEVELOPMENT PROGRAMS 2009-2014

Chapter 19, article (1), Act Number 25, Year 2004 about System for National Development and Planning decides that midterm national development plan should be decided no longer than three months after President promoted. Midterm national development plan describes vision, mission, and program of the President in the subsequent five years, which is run through main strategies described in National Development Agenda consists of the main goals that should be obtained, policy direction, and development programs.

Based on vision, mission, and strategies of the 2009-2014 National Development, three agendas have been developed as follows 1) To create peaceful and safe Indonesia, 2) To realize Indonesian democracy and justice, and 3) To improve Indonesian's citizen welfare.

Based on Midterm Nation Development Plan 2009-2014, Ministry of Education and Culture (MoEC) developed Strategic Plan 2009-2014. First step is doing analysis on external and internal factors of education as well as education potentials and obstacles. Based on the analysis, various challenges were identified when implementing education development five years ahead. Those challenges are as follows:

- a. Complementing the supporting regulations mandated for education;
- b. Fulfilling global commitment to achieve Millennium Development Goals (MDGs), Education For All (EFA) and Education for Sustainable Development (EfSD) targets;
- c. Ensuring welfare of educators/teachers and education personnel in forefront areas, remote and disaster areas;
- d. Ensuring poor people have vast access to quality education in all education levels;
- e. Applying National Education Standard by emphasizing balance between mind, feeling, compassion and physical exercise;
- f. Developing policies to empower educators/teachers and education personnel by keeping in mind of professionalism;
- g. Maintaining improvement of education quality in order to fulfill the Minimum Service Standard (MSS) between genders and areas/regions;
- h. Improving the quality and quantity of vocational education to fulfill local and national needs to be able to compete globally;
- i. Producing creative human resources through education required to develop creative economy;

- j. Compiling the structure of education's total cost for every educational unit by taking into account of society purchase index;
- k. Developing policies to strengthen and expand the application of performance based budgeting system and mid-term expenditure framework;
- I. Improving the synergic partnership with private sector (business world) and industrial sector, community organizations and professional organizations;
- m.Improving effective coordination with other ministries/ institutions and local governments;
- n. Developing policies that integrate contents on noble principles, national pride, concerned towards cleanliness, environment, and order when implementing education;
- o. Ensuring the implementation effectiveness of educational autonomy, including organizing Education Legal Body (ELB);
- p. Repairing and improving credibility of National Examination system;
- q. Developing policies in organizing parenting education and home schooling;
- r. Developing policies in organizing Early Childhood Education (ECE);
- s. Developing conducive policies to produce World Class University (WCU);
- t. Developing policies to strengthen and expand the use of ICT in education.

In order to achieve the national aspirations to educate the nation and be in-line with the national education's vision, the 2025 vision of Ministry of Education and Culture is to produce Bright and Competitive Indonesian individuals. Efforts to achieve the 2025 Vision are divided into four themes of national education development as explained in Chapter I. The second theme (2010-2014) focuses on strengthening on educational services. In-line with that focus, the 2014 MoEC Vision is deliver excellent national education services in order to create comprehensively bright Indonesian individuals.

What is meant by excellent national education services are as follows: (1) **Available** equally across the entire country; (2) **Affordable** by all levels of society; (3) **Quality and relevant** with the needs of society, business and industrial sectors; (4) **Equal** to fellow Indonesian citizen in obtaining quality education by taking into account the diversity of social-cultural background, economic and geographical backgrounds, also gender and others; and (5) Guarantee **assurance** for Indonesian citizen to receive education and self-adjust towards what society, business and industrial sectors demands.

A. Goals and Targets

To achieve MoEC vision and mission, a clearer formulation of 2010-2014 strategic goal and targets is needed to provide indicators for implemented mission and achieved vision. The 2010-2014 MoEC Strategic Goal is formulated based on education service levels and a governance system is required to deliver excellent educational services as desired in 2014 MoEC vision formulation by taking into account 2010-2014 MoEC mission formulation. Therefore, the 2010-2014 MoEC strategic goals are as follows:

- a. Availability and affordability of ECE services which are quality and equality in every province, district and city.
- b. Guarantee to obtain basic education services which are quality and equal in every province, district and city.
- c. Availability and affordability of secondary education services which are quality, relevant and equal in every province, district and city.
- d. Availability and affordability of higher education services which are quality, relevant, internationally competitive and equal in every province.
- e. Availability and affordability of sustainable adult education services which are equal, quality and relevant with the needs of the society.
- f. Availability of reliable governance system to ensure the delivery of excellent national education services.

For the purpose of measuring the achievement of educational development strategic goal, several strategic targets are required to describe certain conditions which must be obtained by 2014. The strategic targets for every strategic goal are as follows:

- 1. Strategic target to achieve availability of reliable governance system to ensure the delivery of excellent national education services:
 - a. The national Gross Enrollment Ratio (GER) of ECE reach 72.9%, at least 75% provinces reach GER \geq 60%, at least 75% cities reach GER \geq 75%, and at least 75% districts reach GER > 50%.
 - b. Qualifications for formal ECE educators (Kindergarten (KG)/Special Kindergarten(SKG)) are expected 85% of them have *Sarjana*/Diploma IV education background and 85% of them are certified, whereas for non-formal ECE educators are expected to already been trained at least 55%.

- c. All formal ECE units apply learning system that builds character (honesty, caring, responsibility and tolerance) and fun for children.
- Strategic target to guarantee to obtain basic education services which are quality and equal in every province, district and city:
 - a. National Net Enrollment Ratio (NER) of PS/IPS/Package A reach 96%; at least 85% provinces reach NER \geq 95%; at least 90% cities have reach NER \geq 96%, and at least 90% districts reach NER > 94%.
 - b. Schooll Enrollment Ratio (SER) of children between the age of 7-12 reach 99.9%.
 - c. National GER of JSS/IJSS/Package B reach 110%; at least 90% provinces reach GER \geq 95%; at least 80% of cities reach GER \geq 115%, and at least 85% of districts reach GER > 90%.
 - d. NER JSS/IJSS/JSSLB/PackageB/equal reach 76.8%
 - e. SER for children at the age of 13-15 is 96%.
 - f. All principals and school supervisors of PS/SPS and JSS/SJSS undergo sustainable Professional Training.
 - g. The maximum drop-out rate for PS is 0.7% and JSS 1%, transition rate from PS/IPS/Package A to JSS/IJSS/Package B is at least 97%.
 - h. The transition rate of JSS/IJSS/SJSS/equal graduates is 93.50%
 - i. At least 90% of PS/SPS and 90% of JSS/SJSS have been accredited.
 - j. At least 15% of PS/SPS and 27% of JSS/SJSS received a minimum B accreditation.
 - k. At least 40% of PS/SPS and 60% of JSS/SJSS implement e-learning;
 - I. At least 50% of district/city has Initiate International Standard School (IISS) or RSBI PS;
 - m.At least 60% of district/city has ISS or RSBI JSS;
 - n. At least 88% of PS/SPS teachers has *Sarjana/*Diploma IV qualifications and 80% of them are certified;
 - o. At least 98% of JSS/SJSS teachers has *Sarjana/*Diploma IV qualifications and 90% of them are certified;
 - p. At least 60% of district/city has fulfilled the ratio of Teachers and PS Students is 1:20 until 1:28 and JSS students is 1:20 until 1:32.
- 3. Strategic target to achieve availability and affordability of secondary education services which are quality, relevant and equal in every province, district and city
 - a. The national GER exceeds 85%, at least 60% provinces achieve minimum of 80%, at least 65% of cities reach

- minimum of 85%, and at least 70% districts reach minimum of 65%.
- b. At least 95% of GSSS/SGSSS have been accredited and 40% of them are accredited B;
- c. At least 90% VSSS have been accredited and 30% of them are accredited B;
- d. At least 60% of districts/cities has ISS or RSBI GSSS and VSSS:
- e. At least 98% of GSSS/SSSS/VSSS teachers have Sarjana/Diploma IV education, and at least 90% of them already certified;
- f. All VSSS are ISO 9001:2008 certified;
- g. At least 75% of GSSS/SSS and 70% of VSSS are conducting e-learning;
- h. 70% of VSSS graduates are work at the same year of their graduation;
- i. All VSSS provides services in entrepreneurial development assistance;
- j. All principals and School Supervisors of GSSS/SSSS and VSSS undergo Sustainable Professional Training.
- 4. Strategic target to achieve availability and affordability of higher education services which are quality, relevant, internationally competitive, and equal in every province
 - a. GER of HE and Religious HE (RHE) at the age of 19-23 years reach 30%;
 - b. 100% of public HE and 50% of private HE have obtained ISO 9001:2008 certification
 - c. At least 90% of program study are accredited and 63% of them are accredited minimum of B;
 - d. At least 3 HE (University) are in the best 300 worldwide universities ranking and at least 11 HE (cumulative) included in the best 600 worldwide ranking in THES version, at least 12 PT included in the best 200 in Asia in THES version;
 - e. At least 85% of graduate and diploma lecturers have minimum of Master qualifications;
 - f. At least 90% of post graduate lecturers (master, profession, specialists, and doctorate programs) have Doctor/Ph.D qualifications;
 - g. At least 75% of HE lecturers already obtained certificate of profession.
- 5. Strategic target to achieve availability and affordability of sustainable adult education services which are equal, quality and relevant with the needs of the society
 - a. At least 30% of skill courses and training programs and 25% of live-skills program (LSP) graduates has competency certficate;

- b. At least 50% of district/city have applied gender mainstreaming in education;
- c. At least 50% of districts/cities have provided parenting education facility.
- Strategic target to achieve availability of reliable governance system to ensure the delivery of excellent national education services
 - a. The Office of Financial Auditor audit opinion towards the financial report is Qualified Without Exception starting in 2012;
 - b. The score of Government Institution Performance Accountability Report (*LAKIP*) is at least 75.

By setting up targets for availability and affordability of basic, secondary, and higher education services that are high quality, relevant also gender mainstream with taking into account the inclusiveness of every province, district and city will provide resultant effects as stated in the following combined strategic targets. They are required, especially for measuring Human Development Index (HDI).

The combined strategic targets are:

- a. The combined GER for Basic, Secondary and Higher Education are at least 86,3%;
- b. The mean years of schooling is 8.25 years;
- c. The national literacy rate for the age of > 15 is 95.8%.

B. Education Development Strategy

Strategy and direction of education development policy in 2010-2014 are formulated based on vision, mission, strategic goals of MoEC, and refer to Mid-term National Development Plan 2010-2014 and evaluation of educational development achievement until 2009. Strategy and policy directions also consider the government's commitment to international conventions on education, in particular the Dakar Convention on Education for All, Convention on the Children Rights, Millennium Development Goals (MDGs), and the World Summit on Sustainable Development.

The strategy is a systematic effort to achieve the strategic objectives set through the achievement of strategic targets of these strategic objectives. Each strategy describes the components of the implementation of educational services that should be provided to achieve the strategic target of each strategic objective. These components include educators and educational staff, facilities, learning systems, data and information, funds, and quality systems and procedures. In choosing the strategy, the disparity between regions, gender,

socioeconomic, and educational unit held between the government and community should also be considered.

- Strategy to accomplish strategic objectives of to have qualified and equal early childhood education available and affordable in all provinces, districts and cities, achieved by using the following strategy.
 - a. Provision of competent ECE educators, that are evenly distributed in all provinces, districts and cities that include the fulfillment of the need of KG/SKG teachers and the provision of competent and qualified tutors for non-formal ECE;
 - Provision of competent ECE management that is evenly distributed throughout the provinces, districts and cities, including the fulfillment of the need of educational unit heads, supervisors, and administrative staff;
 - Provision and development of learning systems, data, and research-based information, and quality standards of ECE and the implementation of ECE accreditation;
 - d. Provision and improvement of facilities and infrastructure for the implementation of quality KG/SKG learning systems that is evenly distributed throughout the provinces, districts, and cities;
 - e. Provision of subsidies to increase affordability of quality KG/SKG service that is evenly distributed throughout the provinces, districts, and cities;
 - f. Provision of subsidies to finance the implementation of non-formal qualified early childhood learning system that is evenly distributed throughout the provinces, districts, and cities.
- 2. Strategy to accomplish strategic objectives of to ensure that qualified and equal basic education services are accessible in all provinces, districts and cities, achieved by using the following strategy.
 - a. Provision of competent basic education teachers that are evenly distributed in all provinces, districts and cities, including the fulfillment of the need of PS/SPS teachers and JSS/SJSS and competent tutors for Packet A and Packet B;
 - b. Provision of competent management for PS/SPS, JSS/SJSS and Packet A and Packet B is that are evenly distributed in all provinces, districts and cities, including the fulfillment of the need of educational unit heads, supervisors, and administrative staff;
 - Provision and development of learning systems, data and research-based information and quality standard of basic education, and the accreditation of basic education implementation;

- d. Provision and improvement of facilities and infrastructure for the implementation of qualified learning systems in PS/SPS and JSS/SJSS that is evenly distributed across provinces, districts, and cities;
- e. Provision of subsidies to increase affordability of qualified PS/SPS and JSS/SJSS educational services that are evenly distributed throughout the provinces, districts, and cities;
- f. Provision of subsidies to finance the implementation of qualified Packet A and Packet B learning systems that are evenly distributed in all provinces, regencies and cities
- Strategy to accomplish strategic objectives of the availability and the accessibility of qualified, relevant, and equal secondary education services, in all provinces, districts and cities, achieved by using the following strategy.
 - a. Provision of competent secondary education teachers that are evenly distributed in all provinces, districts ad cities, including the fulfillment of the need of GSSS/SSSS/VSSS teacher and competent tutors for Packet C;
 - b. Provision of competent management for GSSS/SSSS/ VSSS and Packet C that is evenly distributed in all provinces, districts and cities, including the fulfillment of the need of educational unit heads, supervisors, and administrative staff;
 - Provision and development of learning systems, data and research-based information, and quality standards of secondary education, and the accreditation of secondary education implementation;
 - d. Provision and improvement of facilities and infrastructure for the implementation of high-quality learning system that is evenly distributed throughout the provinces, districts, and cities;
 - e. Provision and improvement of facilities and infrastructure for the implementation of qualified vocational learning system based on local advantages and relevant to the local needs that are evenly distributed across provinces, districts and cities;
 - f. Provision of subsidies to increase affordability of qualified GSSS/SSSS/VSSS education service that is evenly distributed throughout the provinces, districts and cities;
 - g. Provision of subsidies to finance the implementation of a quality Packet C learning system that is evenly distributed throughout the provinces, districts and cities.
- 4. Strategy to accomplish strategic objectives of the availability and accessibility of high-quality, relevant, internationally competitive and equal education services in all provinces, achieved by using the following strategy.

- a. Provision of competent university lecturer to support the implementation of the three responsibilities of university (*Tri Dharma*) that are high quality and competitive;
- Improvement of the quality university management to support the implementation of competitive and accountable *Tri Dharma*;
- c. Provision of data and research-based information and quality standards of higher education and the accreditation of higher education implementation;
- d. Provision and improvement of facilities and infrastructures for the implementation of qualified and highly competitive learning systems in higher education that is evenly distributed throughout the province;
- e. Increased publication of results of research and dedication to the community that are qualified, internationally competitive, and relevant to the needs of the nation;
- f. Provision of subsidies to increase affordability of qualified higher education service that is evenly distributed throughout the province.
- 5. Strategy to accomplish strategic objectives of the availability and affordability of sustainable adult education services that are equal, high quality, and relevant to the needs of the community, achieved by using the following strategy.
 - a. Provision of competent tutors that are evenly distributed among provinces,
 - b. districts, and cities that include the fulfillment of the need of functional literacy tutoring and life-skills education;
 - c. Provision and development of learning systems, data and research-based information, education and quality standards of functional literacy, life-skills education, homeschooling and parenting education and accreditation of adult education implementing institutions;
 - d. Provision of subsidies to finance the implementation of quality adult education learning system that is evenly distributed in all provinces, districts and cities.
- Strategy to accomplish strategic objectives of the availability of a reliable governance system in ensuring the national education service excellence, achieved by using the following strategy.
 - a. Strengthening the institutional, work procedures, and human resources of MoEC;
 - b. Strengthening the planning and budgeting systems in the environment of MoEC;
 - c. Strengthening of the recording system in the environment of MoEC;
 - d. Strengthening internal control systems in the environment of MoEC.

All the above education development strategies can be formulated into a general strategy. The general strategies are groups to five education components. The general strategies for each education component is as follows.

- 1. Educators and educational staffs:
 - a. Provision of competent educator that is evenly distributed in all provinces, districts and cities.
 - b. Provision of competent educational unit management that is evenly distributed in all provinces, districts and cities.
- 2. Study and assessment
 - a. Provision of learning system in accordance with National Education Standard
 - b. Provision of reliable data, information and educational accreditation
- 3. Facility and infrastructure.

Provision of improvement of quality educational facilities and infrastructures that are evenly distributed in all provinces, districts and cities.

- 4. Funding
 - a. Provision of subsidies to increase the affordability of qualified formal educational services that is evenly distributed in all provinces, districts and cities.
 - b. Provision of subsidies to fund the quality, formal and nonformal learning system application that is evenly distributed in all provinces, districts and cities.
- 5. Management
 - a. The reorganization to ensure the accomplishment the strategic targets and objectives of national education
 - Strengthening the accountability of financial system within MoEC
 - c. Strengthening the accountability of state owned assets management within MoEC
 - d. Strengthening the accountability of control system within MoEC

C. Development Policy Direction

A general strategy as formulated in the previous section is used to determine the direction of education development policy period within the upcoming five years. The relationship of the general strategy and the policy directions is described below.

- 1. Provision of competent educator that is evenly distributed in all provinces, districts and cities:
 - a. Improvement of educator qualification and certification
 - b. Improvement of quality of Educational Workforce Education Institutions (LPTK) and the graduates

- 2. Provision of competent educational unit management that is evenly distributed in all provinces, districts and cities: Empowerment of school principal and supervisor.
- 3. Provision of learning system in accordance with National Education Standard:
 - a. The implementation of methodology in moral and national character
 - b. Development of Education Methodology in Developing Creative, Innovative, Competitive and Entrepreneurial Culture
- 4. Provision of reliable data, information and educational accreditation:
 - The integration of education evaluation system
- 5. Provision of improvement of quality educational facilities and infrastructures that are evenly distributed in all provinces, districts and cities:
 - a. Strengthening and Expanding Use of ICT in Educational Sector
 - b. Provision of low-cost textbook
- 6. Provision of subsidies to increase the affordability of qualified formal educational services that is evenly distributed in all provinces, districts and cities:
 - a. Rationalization of funding for education, research and community service
 - b. Empowerment of Community, Business and Industry
 Aspect
- 7. Provision of subsidies to fund the quality, formal and nonformal learning system application that is evenly distributed in all provinces, districts and cities:
 - Strengthening and Expansion of non-formal and Informal Education
- 8. The reorganization to ensure the accomplishment the strategic targets and objectives of national education, strengthening the accountability of financial system within MoEC, strengthening the accountability of state owned assets management within MoEC, and strengthening the accountability of control system within MoEC:
 - a. Bureaucracy Reform
 - b. Inter-ministry and/or Government Institutions Coordination and the Central-Local Government Coordination
- The Combined strategies for strategies number 1, 2, 5, 6, and 7:
 - Accelerated Education Development in the Border, Under Developed, and Disaster Prone Area
- 10. The Combined strategies for strategies number 1, 3, and 5:

Alignment of Education with the Demands from Business and Industry

The above policy directions are partially similar with the breakthrough policy that MoEC used over the period 2005 to 2009. The continued breakthrough policy is the policy that has been successfully implemented with some adjustment that emphasize on the period from 2010-2014. In addition, there is a need to strengthen the new breakthrough policies in accordance with the existing demands to be made towards the development of national education policy in 2010-2014 periods. The policy direction can be explained as follows.

- 1. Improvement for Qualification and Certification of Educators
- Act no. 14/2005 on Teachers and Lecturers places teachers and university lecturers as a profession. Teachers must meet the minimum educational qualification of *Sarjana/Diploma IV* and educator certified, while university lecturer must meet the minimum educational qualification Master/Doctor and educator certified. The Government should complete the improvement of qualification and certification of educators at the latest by the end of 2014. In addition, this step is done to ensure the regeneration of competent teachers considering within the next five years estimated at about 700 thousand teachers will retire. To achieve these targets, in the year 2010-2014 MoEC will maintain the policies of improving the qualifications and competency of teachers, as follows.
- a. Development of the teachers' recruitment system by awarding bonding-talent scout scholarships;
- b. Improving recruitment system for competent, *Sarjana*/ Diploma IV qualified teachers;
- c. The provision of scholarships to improve teacher's qualification into *Sarjana/Diploma IV* and increase the qualifications of university lecturers into Master/Doctor;
- d. Control of the implementation of educator certification in accordance with laws and regulations;
- e. Increasing the role of universities in sustainable teacher professionalism development through Teacher Working Groups (KKG) activities.
- 2. Quality Improvement for Educational Workforce Education Institutions (LPTK) and the Graduates

Improving the quality and competence of teachers depends on the quality of educator institutions. The implementation of Act No. 14 of 2005 requires the availability of LPTK as an institution in charge of producing educator candidates and conducts certification for educators. To ensure availability of competent teachers, the LPTK quality improvement is

mandatory. Improvement of LPTK quality is conducted through the following policies.

- a. Provision of competent lecturers at LPTK;
- b. Strict control toward licensing and accreditation requirements for LPTK;
- c. Control for unlicensed and/or non-accredited LPTK;
- d. Improvement of facilities and infrastructure of LPTK.

3. Empowerment of School Principal and Supervisor

In addition to educators, school principals and supervisors play an important role in improving education quality and accountability of education implementation in the educational unit. The problem commonly encountered from the principal is the weakness in managerial competence, while from the school supervisor is the lack of competence in supervisory skill. Specifically, an elementary school principal encounters problem due to high workload because of the lack of school administrative staff. The empowerment of school principals and supervisors is conducted through the following policies.

- a. Awarding *Sarjana* and Master degree scholarship for principal and school supervisor;
- Delivering training in quality management and leadership for principals and training in qualified education control for school supervisors;
- c. Revitalizing professional educational staffs' organizations (MKKS / MKPS);
- d. Encouraging district/city local government to provide school administrative staff in every primary school.
- 4. Implementation of Methodology in Moral and National Character Education

Learning system is currently considered not effective in building morals and noble character of the nation for the students. This is shown by the occurring cases of moral degradation, such as drug abuse, student radicalism, pornography and porno action, plagiarism, and the declining pride toward nation and state. Policies to tackle this problem, among others, are as follows

- a. To instill the moral education which integrates the value of religion, manners,
- the pride toward nation, clean life style, environmental awareness, and discipline within the educational organization;
- c. To develop educational curriculum that provides soft skills to enhance noble moral and foster national character;
- d. To develop a culture that foster hygiene, environmental care, and order through active learning in the field;

- e. Assessment of exemplary achievements of students who consider noble moral aspects of national and state character.
- 5. Development of Education Methodology in Developing Creative, Innovative, Competitive, and Entrepreneurial Culture

To support of the Creative Economy Development (CED) in 2010-2014, which is the development of economic activities based on the creativity, skills, and talents of individuals to create creative ability and creative power of individuals which have economic value and impact on the welfare of the people of Indonesia, policies that stimulate the integration of the aspects of creative, innovative, competitive and entrepreneurial in the education methodology should be formulated. This development of educational methodology is taken through the following policies.

- To review and take improvement action in education and training curricula to be more oriented to the development of students' creativity and entrepreneurship as early as possible;
- b. To improve the quality of national education that supports the development of creativity and entrepreneurship within the students as early as possible;
- c. To create access to creative economy information and knowledge sharing between the education provider
- d. To increase the number and improvement of quality and educational institutions and formal and non-formal training that support the development of creative personnel in the establishment of creative economy;
- e. Creating connectivity and integration among graduates of higher education and vocational high schools associated with creative economic development needs;
- f. To encourage successful entrepreneurs to share experience and expertise in institutions of basic education to higher education in developing the creative economy;
- g. To facilitate the development of networks and encourage cooperation among Indonesia's creative personnel at home and abroad.
- 6. The Integration of Educational Evaluation System

The increase in educational participation has yet fully followed by a trusted educational evaluation system. One indicator is the national exam result that is omitted as requirement to continue study from secondary education to the higher education. This is caused by the irregularities in the implementation of the national exam, the national examination substance that does not measure and the actual achievement of the student learning, and the disintegrated results of national

exams with university entrance exams. This requires, among others, the following policies.

- a. Improvement of the implementation and supervision system of the national examination for all levels of education;
- Completion of the substance of the national examination which measures student achievement in learning outcomes which include assessment in aspects of cognitive, affective and psychomotor;
- c. Completion of the national examination results processing system;
- d. Development of a system that ensures integration of national examination results of secondary education with the college entrance selection system.
- 7. Strengthening and Expanding Use of ICT in Educational Sector

Utilization of ICT is believed to be supporting in efforts to increase and equalize access to education, improved quality, and education competitiveness, management, accountability, and public image education. Application of ICT for education by MoEC can expand the affordability of education, and strengthening governance at the same time. The need for comprehension and application of science and technology in order to face the global demand results in the increasing role of ICT in various aspects of life including in education, the increasing need to share information and knowledge using ICT, and internet developments that eliminate space and time boundaries to communicate and make access to information. The above condition requires the implementation of policies related to ICT. However, there still exists ICT literacy gap between the regions on one side and the development of the internet that also brought negative impact on values and norms of society and provided opportunities of plagiarism and IPR violations on the other side, require the use of ICT integration in educative learning. In the year 2010-2014, the strengthening efforts of the usage of ICT for e-learning, emanagement, and e-services are conducted through the following policies.

- a. The provision of ICT infrastructure and facilities and ICTbased learning content for the strengthening and expansion of e-learning at all levels of education
- b. Development of e-management, e-reporting, and e-services to enhance the effectiveness of governance and public service.
- Development of knowledge management systems to facilitate the sharing of information and knowledge among learners and educators

- d. Development of ICT-based learning resource centers in primary and secondary education
- e. Increasing human resource capacity to support the efficient use of ICT in the central and local level.

8. Provision of Low Cost Textbooks

In order to increase the number of published books and encourage creativity and motivate writers, MoEC will continue the program of purchasing copyright of textbooks that support the program of low cost textbooks. Provision of qualified, easily available textbooks with affordable prices and the efforts to eliminate the monopoly of writing, copying, publishing and distributing books have been arranged through MoNE Regulation No. 2 Year 2008 about Textbook. However, the textbook reformation that does not entirely give impacts on the provision of low-cost textbooks to all students. In the year of 2010-2014, the effort to provide low-cost textbooks are conducted through the following policies.

- a. Provision of subsidies of the cost of textbooks to students who use books which copyrights have been purchased by MoEC.
- b. Facilitating access for the educational unit to download electronic textbook which copyrights have been purchased by MoEC.
- c. Evaluating assessment systems for purchased copyrighted books by MoEC to increase the use of those textbooks.
- d. Encouraging education unit to use textbooks which copyright have been purchased by MoEC.
- 9. Rationalization of Funding for Education, Research and Community Service

the 2005-2009 construction the School period, Assistance/SOA Operational (Bantuan Operasional Sekolah/BOS) program, SOA books, Special Assistance for Students (Bantuan Khusus Murid/BKM), and scholarships from primary to higher education level have been found to significantly reduce the drop-out rate and alleviate the burden of parents to provide education costs. Especially on higher education, the funding policy on education, research, and community service focused on improving coverage, quality, and relevance. The focus areas of research and community development are aimed at improving research and community service to answer the needs of the community which could result in international scientific publications, thereby increasing the competitiveness of universities. The rationalization of this funding is conducted through the following policies.

- a. Mapping the total cost structure of each educational unit by taking into account regional diversity;
- b. Setting a proportional education financial system by considering the local purchasing power index;
- c. Increasing the effectiveness of educational assistance to disadvantaged students by paying attention to the disparities between regions and sexes;
- d. Increasing the intensity of research and international publications;
- e. Increasing the effectiveness of educational aid for research and community service in higher education to meet the needs of society and to increase the competitiveness.

10. Empowerment of Community, Business and Industry Aspect

The contribution of business and industrial aspect in the development of education and research is still low. This happens because there are still no educational partnerships with business, industry, and community organizations. Meanwhile, education cannot run without any relationship with business and industrial world, in the aspect of process of education, educators, and students. To overcome this obstacle, it is necessary to have several policies, among others, as follows.

- a. Development of the system that regulates synergistic partnerships with business and industrial world to increase the relevance of graduates with the demands from businesses and industries;
- b. Optimizing the utilization of Corporate Social Responsibility (CSR) funds for educational purposes;
- c. Development of the system that regulates synergistic partnerships with community organizations, such as the implementation of the educational unit, and with professional organizations, such as the preparation of professional certification programs;
- d. Building a partnership mechanism between governments, educational institutions, and training with entrepreneurs to develop the quality of education and training;
- Encouraging private sector to develop education and training institutions, particularly in relation to the needs of human resources;
- f. Utilization of the existing potential in the community, business, and industrial world to increase the quality of education.
- 11. Strengthening and Expansion of Non-formal and Informal Education

Non-formal and informal education programs are very strategic in the effort to reduce illiteracy and improve community life-skills that are gender equal. This is in line with international commitments in the eradication of illiteracy. In addition, to realize a knowledge-based society, the reading culture within the community needs to be improved. Strengthening and expansion are done, among others, through the following policies.

- a. Strengthening and expansion of direct learning program at the Centre for Community Learning Activities (Pusat Kegiatan Belajar Masyarakat /PKBM);
- b. Strengthening and expansion of life skills education for school-age citizens who dropped-out from school or did not continue school and for the adult citizens;
- c. Strengthening and expansion of the reading culture through the provision of libraries, reading material, and other sources of information that is easy, inexpensive, and evenly distributed as well as the supporting facilities;
- d. Strengthening and expansion of non-formal and informal education to reduce the disparity of gender;
- e. Facilitating knowledge and skills improvement in parenting education and homeschooling.

12. Bureaucracy Reform

Bureaucratic reform is at the core of the various priority programs to improve the quality of public services. MoEC became one of 13 ministries/non-ministrial Government institution which should complete the bureaucracy reform in the year 2010/2011. Bureaucratic reform is needed in line with the greater responsibility of having to manage the budget for educational objectives that takes 20% of the national/state Budget. Based on preliminary assessment of bureaucratic reform in 2009, bureaucratic reform is implemented through the following policies.

- a. Restructuring the organization that supports the vision and mission MoEC;
- b. Improving the governance system;
- c. Improvement of the quality of human resources;
- d. Development of measurement system and performancebased remuneration;
- e. Monitoring and evaluating the implementation of the bureaucracy reform.
- 13. Inter-ministry and/or Government Institutions Coordination and the Central-Local Government Coordination

Current condition shows a lot of overlap in the implementation of inter-ministries/non-ministrial Government

institution activities or between central and local government and lack of integration of priority and performance targets setting of education at the center and in the regions. In accordance with Government Regulation No. 38 Year 2007 on the Division of Government Affairs, Provincial Government and District/City Government, there is an arrangement of division of responsibility between MoEC, other ministries/non-ministrial Government institution, as well as local governments in education management. Coordination is carried out by reference to, among others, the following policies.

- (1) Improved coordination between MoEC with related ministries/non-ministrial Government institution to synergize the planning, execution, control and evaluation of education;
- (2) Increase coordination between MoEC with provincial, district and city government and education units to synergize the planning, execution, control, and evaluation of education.
- 14. Accelerated Education Development in the Border, Under Developed, and Disaster Prone Area

Educational development in the border and under developed area, including disaster-prone areas, needs to be done specifically to ensure the equality and certainty for the public in these areas to obtain educational services. The demands of justice and the unity of the nation and the international conventions on education for all require governments to provide education services for every citizen wherever they are in the homeland. Development of education in the border area as well as disaster-prone and under developed area is done through the following policies.

- a. Provision of educators and education staffs with special allowances in the border, under developed and disasterprone area;
- b. Provision of educational facilities through the construction of a one-roof kindergarten-primary school, one roof primaryjunior secaondary school, and boarding schools in the border, under developed, and disaster-prone area;
- c. Provision of subsidies for students to get formal and nonformal education in border, underdeveloped, and disasterprone area.
- 15. Alignment of Education with the Demands from Business and Industry

Educational outcomes should be able to meet the needs of business and industrial world in order to aligning education with the needs of business and industrial world. These needs have a number of parameters that must be precisely adjusted with the supply of graduates of educational services, such as the number, competence and location. MoEC should be able to create and maintain standardized systems of education. The program, among others, pursued through the following policies.

- (1) Align educational service development plan with the industrial development plan, regional development plans, and investment plans;
- (2) Developing a synergy between ministries/non-ministrial Government institutions associated with the supply and absorption of labor;
- (3) Develop education and training institutions related with economic development in areas with potential for development as industrial clusters;
- (4) Building a partnership mechanism between governments, educational and training institutions with entrepreneurs to develop qualified education and training in economic development;
- (5) Improve the quality of research that can answer the challenges of the business and industrial world and make it as a national research priority.

D. Development Program

The Ministry of Education and Culture was selected as one of six ministries/non-ministrial government institution to conduct pilot project for planning and budgeting reform. The resolution is contained in the Financial Memorandum of 2009 (Annex of Presidential Speech in August 2008) and reinforced by Letter of Deputy for Development Funding of National Planning Board (Bappenas) No: 0298/D.8/01/2009, dated 19 January 2009. Planning reforms are intended to clearly illustrate the links between programs, performance indicators, and input for each work unit in the preparation of the Strategic Plan. Planning and reforms undertaken to budaetina are consolidate reimplementation of performance budgeting based in the Ministry of Education and Culture, especially since MoEC enacted the law on budgeting and finance. In the reform process of planning and budgeting is every echelon I is expected to set one or two program, whereas the echelon II may have one or two activities in accordance with the characteristics of tasks and functions. The entire programs of every echelon I and echelon II activities should reflect the national priorities program.

Through the planning and budgeting reforms, it is expected to obtain financing picture for the next five years. The government can ensure the budget for the next five years. Preparation of the Strategic Plan should also concern about the fiscal ability to meet the mandate of the law that the

Government should provide at least 20% of education budget from the state budget. Strategic Plan 2010 - 2014 was prepared using various assumptions of economic growth, and a combination approach of bottom up and top down with the involvement of all echelon I and echelon II of the Ministry of Education and Culture and Ministry of Religious Affairs. Top down approach implies that this plan considering the availability budaet according to budaet estimates. From implementation side, bottom-up approach is taken to obtain the description of funding that is needed in order to achieve the ideal conditions. Thus there will be visible gaps between the funding of at least 20% of the state budget with ideal conditions. The challenge now for the government is how to minimize the gap in terms of provision of the budget toward ideal conditions. Once this Strategic Plan is completed, each main unit should translate into measurable annual plan.

Indonesia reform movement in general requires application of principles of democracy, autonomy, decentralization in the every aspect of this nation. Act no. 20 Year 2003 on National Education System (Act of NES), is a response to the demands for educational reform. In line with the principle of decentralization, Act no. 32 Year 2004 and Government Regulation No. 38 Year 2007 regulate the implementation and management of education as the authority of the government, provincial governments and governments. The Act of NES stipulates that the Minister of Education and Culture is responsible in managing the national education system. The Government determines the national education policies and standards to ensure the quality of national education. Government and/or local government must hold at least one unit of education at all levels of education to be developed into an international level educational unit. Provincial government is to coordinate the organization of education, development of educational worker, and provision of education facilities across the district for elementary and secondary education levels. District/city governments manage primary and secondary education, and education unit based on local advantages. Universities have the autonomy to determine policies and in managing educational in their own institutions.

If we refer to the structuring of programs and activities, MoEC has prepared educational development programs associated with the objectives to be achieved in 2014. These programs are prepared based on the level of education and the support necessary for the swift implementation of these programs. The grouping of these programs is as follows.

- 1. Preschool Education and Primary Education
- 2. Secondary Education

- 3. Higher Education
- 4. Non-formal and Informal Education
- 5. Quality and Welfare Improvement for Educator and Educational Staffs
- 6. Management and Implementation Support of Other Technical Task of MoEC
- 7. Accountability Supervision and Development of MoEC Staffs
- 8. MoEC Research and Development.
- 1. Education Program for Preschool and Primary Education Education programs for preschool and primary education is to support these objectives:
- a. The availability and affordability of qualified and equal preschool education services in all provinces, districts and cities, and
- Ensuring the affordability of quality and equal primary education services in all provinces, districts and cities.
 In executing these programs, the flowing strategies are used:
- a. The provision and improvement of facilities and infrastructure for the implementation of qualified learning systems for KG/SKG that is evenly distributed across all the provinces, districts and cities;
- b. Provision of subsidies to increase affordability of qualified KG/SKG education services that s evenly distributed across all the provinces, districts and cities;
- c. The provision and improvement of facilities and infrastructure for the implementation of qualified learning systems in PS/SPS and JSS/SJSS that are evenly distributed across all the provinces, districts and cities;
- d. Provision of subsidies to increase affordability of qualified PS/SPS and JSS/SJSS educational services that are evenly distributed across all the provinces, districts and cities.

The targets for education program for Preschool and Primary Education are achieved through the following activities:

- a. Provision of Preschool Education Service;
- b. Assurance of the Affordability of Primary Education Service;
- c. Provision of Subsidies for Qualified PS/SPS Education;
- d. Assurance of the Affordability of Junior Secondary Education;
- e. Provision of Subsidies for Qualified JSS/SJSS;
- f. Improving Access and Quality of Special Education and Special Service Education of SKG/SPS/SJSS;
- g. Management and Implementation Support of Other Technical Task of Preschool and Premary Education
- 2. Secondary Education Program

The program is intended to support the objectives of the availability and affordability of qualified, relevant, and equal secondary education services, in all provinces, districts and cities. In implementing this program, use the following strategy.

- a. The provision and improvement of facilities and infrastructure for the implementation of qualified general senior secondary school learning system that is evenly distributed throughout the provinces, districts and cities;
- b. The provision and improvement of facilities and infrastructure for the implementation of qualified vocational learning system based on local advantages and relevant to the needs of the region that is evenly distributed throughout the provinces, districts and cities;
- c. Provision of subsidies to increase affordability of qualified GSSS/SSS/VSSS education services that are evenly distributed throughout the provinces, districts and cities. Secondary Education Program targets are achieved through

Secondary Education Program targets are achieved through the following activities.

- a. Provision and Improvement of GSSS Education Services;
- b. Provision and Improvement of VSSS Education Service;
- c. Increasing Access and Quality of Special Education and Special Service Education of GSSS/SSS;
- d. Management and Implementation Support of Other Technical Task of Secondary Education

3. Higher Education Program

The program is intended to support the objectives of the availability and affordability of high-quality, relevant, internationally competitive, and equal higher education (HE) services, in all provinces. In implementing this program, the following strategies are used:

- a. Provision of competent lecturer to support the implementation of quality and competitive *Tri Dharma* of Higher Education;
- b. Improvement of quality of HE management to support the implementation of competitive and accountable *Tri Dharma*;
- Provision and improvement of facilities and infrastructure for the implementation of qualified and competitive learning systems in higher education that is evenly distributed throughout the province;
- d. Increased publication of results of research and community services that are high-quality, internationally competitive, and relevant to the needs of the nation;
- e. Provision of subsidies to increase affordability of qualified higher education services that are evenly distributed across provinces.

The targets of Higher Education Program are achieved through the following activities.

- a. Provision of Academic Service for Study Program;
- b. Provision of Institutional Services;
- c. Provision of Quality Lectures and Education Staff;
- d. Development for Research and Community Services;
- e. Management and Implementation Support of Other Technical Task of Higher Education.
- 4. Non-Formal and Informal Education Program
 The program is conducted to support the following goals.
- a. Availability and affordability of qualified and equal Early Childhood services in all provinces, districts and cities;
- b. Ensuring the affordability of qualified and equal primary education services in all provinces, districts and cities;
- c. Availability and affordability of high quality, relevant, and equal education services in all provinces, districts and cities;
- d. Availability and affordability of Continuing Education Services for Adult People that are high quality and relevant to community needs.

In implementing this program, the following strategies are used:

- a. Provision of subsidies to finance the implementation of the qualified Non-Formal Early Childhood learning system that is evenly distributed throughout the provinces, districts and cities;
- Provision of subsidies to finance the implementation of qualified Packet A and B learning systems that are evenly distributed in all provinces, districts and cities;
- c. Provision of subsidies to finance the implementation of quality Packet C learning system that is evenly distributed throughout the provinces, districts and cities;
- d. Provision of subsidies to finance the implementation of quality education for adult people learning system that is evenly distributed throughout the districts and cities.

The targets of Non-formal and Informal Education Program are achieved through the following activities.

- a. Provision of Non-Formal Early Childhood Education Services;
- b. Provision of Equality Educational Service;
- c. Provision of Course Services and Training;
- d. Provision of Community Education Service;
- e. Management and Implementation Support of Other Technical Task of Non-Formal and Informal Education;
- 5. Quality and Welfare Improvement Program for Educators and Educational Staffs

The program is conducted to support the following objectives.

- a. Availability and affordability of quality and equal early childhood services in all provinces, districts and cities;
- b. Ensuring the quality and equal Primary Education Services in all provinces, districts and cities;
- Availability and affordability of quality, relevant and equal Secondary Education Services, in all provinces, districts and cities;
- d. Availability and affordability of Continuing Education Services for Adult People that are high quality and relevant to community needs.

In implementing this program, the following strategies are used.

- a. The provision of competent early childhood educators that is evenly distributed in all provinces, districts and cities which include the fulfillment of competent KG/SKG teachers and provision of competent tutors for non-formal ECE;
- b. The provision of competent early childhood management that is evenly distributed throughout the provinces, districts and cities, which includes the fulfillment of the educational unit heads, supervisors, and administrative staff;
- c. Provision of competent primary education teachers that is evenly distributed in all provinces, districts and cities, including the fulfillment of PS/SPS and JSS/SJSS teachers and competent tutors for Packet A and Packet B;
- d. Provision of competent PS/SPS and JSS/SJSS management and competent Packet A and Packet B that is evenly distributed in all provinces, districts and cities, including the fulfillment of the educational unit heads, supervisors, and administrative staff;
- e. Provision of competent secondary education teachers that is evenly distributed in all provinces, districts and cities, including the fulfillment of a GSSS/SSSS/VSSS teachers and competent tutors for Packet C;
- f. Provision of competent GSSS/SSSS/VSSS and Packet C management that is evenly distributed in all provinces, districts and cities, including the fulfillment of the educational unit heads, supervisors, and administrative staff;
- g. Provision of competent tutors that are evenly distributed in all provinces, districts, and cities that include the fulfillment of competent tutors for functional literacy and life skills education;

The targets of Quality and Welfare Improvement Program for Educators and Education Staffs are achieved through the following activities.

- a. Provision of Teachers for All Education Level;
- b. Provision of Educator and Educational Staffs for Non-formal Education;
- c. Improvement of quality and fostering for educational training and education quality assurance institutions;
- d. Education and Training for Educator and Educational Staff;
- e. Improvement of Quality Education Assurance;
- f. Provision of Formal Educational Staff for All Levels of Education;
- g. Management and Implementation Support of Other Technical Task of Directorat General of Quality Development of Educators and Educational Staff.
- 6. Management and Implementation Support Program of Other Technical Task of MoEC

The program is conducted to support the objectives of management strengthening to ensure the implementation of excellent educational service. In implementing this program, the following strategies are used.

- a. Strengthening the institutional, work procedures, and human resources of MoEC;
- b. Strengthening the planning systems within MoEC work environment;
- c. Strengthening the recording systems within MoEC work environment.

The targets of Management and Implementation Support Program of Other Technical Task of MoEC are achieved through the following activities.

- a. Prime Service Improvement in Planning and Foreign Cooperation of MoEC;
- b. Prime Service Improvement in supporting the Public Service Function of MoEC;
- c. Prime Service Improvement in Procurement and Reorganization of Government Assets, Facilities, and Infrastructures of MoEC;
- d. Prime Service Improvement in Budget Management Division;
- e. Improvement of reliable Management and Development of staffing;
- f. Prime Service Improvement in Prima Regulation and Organization;
- g. Prime Service Improvement in the Information and Public Relations:
- b. Prime Service Improvement in supporting Educational services and Employees Training;
- a. Provision of High Quality and Low Cost Textbook;

- b. Development of Information and Communications Technology (ICT) for the Utilization of E-Learning and E-Administration;
- c. Research, Development, Coaching, and Services in Linguistic and literary;
- d. Quality Improvement of Student's Physical Condition and the Development of Health Promoting Schools;
- e. Development of Open and Distance Education in Southeast Asia.
- Accountability Supervision and Improvement of MoEC Staff Program

The program is conducted to support the objectives of management strengthening to ensure the delivery of excellent educational service. In implementing this program, the Strengthening the Internal Control System strategy is used.

The targets of Accountability Supervision and Improvement of MoEC Staff Program are achieved through the following activities.

- a. Strengthening and expansion of the control for Accountable Region I, II, III, and IV
- b. Investigative Audit;
- c. Management and Implementation Support of Other Technical Task of Inspectorate General education.
- 8. Education Research and Development Program
 The program is conducted to support the following objectives.
- a. The availability and affordability of qualified and equal early childhood education services in all provinces, districts and cities;
- b. Ensuring the affordability of qualified and equal Primary Education Services in all provinces, districts and cities;
- c. The availability and affordability of quality, relevant and equal Secondary Education Services, in all provinces, districts and cities;
- d. The availability and affordability of qualified, relevant, internationally competitive and equal Higher Education Service Quality in all provinces;
- e. The availability and affordability of Continuing Education Service for Adult People, that are high quality and relevant to Community Needs.
 - In implementing this program, following strategies are used.
- a. Provision and development of learning systems, data and research-based information, and quality standards of early childhood education and the implementation of early childhood education accreditation;

- b. The provision and development of learning systems, data and research-based information and quality standard of Primary Education and the implementation of Primary Education accreditation;
- c. The provision and development of learning systems, data and research-based information and quality standards of Secondary Education and the implementation of Secondary Education accreditation;
- d. Provision of data and research-based information and quality standards for of Higher Education and the implementation of Higher Education accreditation;
- e. The provision and development of learning systems, data and research-based information, and quality standards of functional literacy, life skills education, homeschooling and parental education and the implementation of accreditation of education institution unit for adult.

The targets of Education Research and Development Program are achieved through the following activities.

- a. Facilitate the Quality Standards and Accreditation;
- b. Completion of the Learning System;
- c. Provision of the Educational Data;
- d. Provision of Information for Educational Policy Formulation;
- e. Provision of Information for Educational Assessment;
- f. Management and Implementation Support of Other Technical Task of MoEC Research and Development.

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