HARMONIZATION OF EDUCATION PROGRAM AND GLOBAL WORKFORCE DEMANDS FOR HIGHER EDUCATION IN INDONESIA

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1. BACKGROUND
The Demographic Bonus in this period will have better quality due to the existence of HR training. 
Assumption: EDUCATION LEVEL MUST BE HIGHER
Indonesian Human Resources will be the main capital for the progress of the nation through quality and relevant education.
2. STRATEGIC APPROACHES FOR HIGHER EDUCATION TO IMPROVE HUMAN QUALITY

1. Increasing APK (Gross Enrollment Rate)
2. Harmonization of Education and Work Levels by the Indonesian Qualification Framework (IQF)
3. Strengthening The Quality Assurance of Higher Education
INCREASING APK (GROSS ENROLLMENT RATE)

Source: Ministry of Education and Culture
INCREASING APK (GROSS ENROLLMENT RATE)

- Opening accessibilities
- Affirmation of Education for 3T areas (Terdepan, Terluar, Tertinggal), or the forefront areas, the outermost part areas, and the most underdeveloped areas.
- 20% Scholarships for the underprivileged students (*Bidikmisi* Program).
- Expansion of the higher education’s capacities by increasing the existing universities’ capacities and opening new universities.
INCREASING APK

- Universities’ Establishment at the forefront areas as the seat belt of the nation’s socio-cultural identity.
- Enhancing and expanding online learning courses.
- Giving the mandate to the best state universities to open campuses outside their home bases (PDD).
- Enhancing the collaboration with local governments and private parties to establish community colleges and polytechnics.
- Conversion of private universities into state universities.
- Increasing financial affordabilities through Government’s Operational Support for State Universities (BOPTN).
- Strengthening the quality of private universities.
INDONESIA

Total No. of Provinces = 34
Total No. of Population = 252,124,458
Total of State (Public) Higher Ed. Institutions = 302

Source: Badan Pusat Statistik (bpn.go.id)
JAVA ISLAND

Banten
Total No. of Population = 10,632,166
Total No. of State HE = 7

Jakarta
Total No. of Population = 9,607,787
Total No. of State HE = 13

West Java
Total No. of Population = 43,053,732
Total No. of State HE = 30

Central Java
Total No. of Population = 32,382,657
Total No. of State HE = 28

Yogyakarta
Total No. of Population = 3,457,491
Total No. of State HE = 10

East Java
Total No. of Population = 37,476,757
Total No. of State HE = 40

Source: forlap.dikti.go.id
**MALUKU AND PAPUA ISLANDS**

North Maluku
Total No. of Population = 1,038,087  
Total No. of State HE = 2

West Papua
Total No. of Population = 760,422  
Total No. of State HE = 6

Maluku
Total No. of Population = 1,533,506  
Total No. of State HE = 4

Papua
Total No. of Population = 2,833,381  
Total No. of State HE = 5

Source: forlap.dikti.go.id
The Trend on The Percentage of The Workforce Groups based on Their Educational Background

Increasing the workforce’s educational background with a minimum qualification of high school graduates from 24.7 % to be 35.8 % in 2014

Catatan:
2. Data of 2011-2014 is a projection with the assumption that APK could have been achieved.

Source: Ministry of Education and Culture
# 2030 PROJECTIONS

## Total Population (19-24th) and Number of Students

<table>
<thead>
<tr>
<th>No</th>
<th>Year</th>
<th>Total Population (19-24th)</th>
<th>Number of students</th>
<th>APK</th>
<th>GDP per cap (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2011</td>
<td>26,160,148</td>
<td>5,221,881</td>
<td>19%</td>
<td>4,300</td>
</tr>
<tr>
<td>2</td>
<td>2014</td>
<td>26,952,827</td>
<td>6,388,620</td>
<td>25%</td>
<td>5,500</td>
</tr>
<tr>
<td>3</td>
<td>2030</td>
<td>31,092,660</td>
<td>12,611,228</td>
<td>41%</td>
<td>17,240</td>
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</table>

## Technical/Engineering, Agriculture, Sciences

<table>
<thead>
<tr>
<th>No</th>
<th>Year</th>
<th>Technical/Engineering</th>
<th>Agriculture</th>
<th>Sciences</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>%</td>
<td>Students</td>
<td>%</td>
</tr>
<tr>
<td>1</td>
<td>2009</td>
<td>11.56%</td>
<td>603,649</td>
<td>3.32%</td>
</tr>
<tr>
<td>2</td>
<td>2014</td>
<td>20.00%</td>
<td>1,277,724</td>
<td>5.00%</td>
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<tr>
<td>3</td>
<td>2030</td>
<td>25.00%</td>
<td>3,152,807</td>
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</table>

Source: Ministry of Education and Culture
INDONESIAN QUALIFICATION FRAMEWORK (IQF)

Presidential Decree No 8 of 2012;
Higher Education Law No 12 of 2012;
Minister of Education and Culture’s Decree No 73 of 2013
IQF (DIKTI, 2012)

• The IQ F is a reflection on human resources quality in Indonesia.

• IQ F acts as a neutral reference that can equalize learning outcomes resulted from formal or non-formal education, as well as learning outcomes acquired through job experiences.

• At the international stage, IQ F serves as a device that can recognize and translate international workforce or students’ qualifications into the Indonesian qualification systems.
ACCOUNTABILITY AND COMPATIBILITY

Relation between HE Graduates with work levels
QUALITY ASSURANCE APPROACH

TARGET OF STUDY PROGRAM OUTCOMES

CURRICULA IMPLEMENTATIONS

ACHIEVEMENT OF STUDY PROGRAM OUTCOMES

INTERNAL QUALITY ASSURANCE

HIGHER EDUCATION INSTITUTIONS

PROGRAM OUTCOMES BASED ON NATIONAL EDUCATION STANDARDS

EXTERNAL QUALITY ASSURANCE
3. LESSONS LEARNT AT UNIVERSITAS AIRLANGGA
IMPLEMENTATION OF INDONESIA DGHE POLICY

• Increasing 8% of incoming students (generally 8-10% for state HE Institutions)

• Transfromation of vocational study programe to be Faculty of Vocational Study (previously done by UI, UGM, IPB, and ITS)

• Getting the mandate to open campuses outside their home bases (PDD) in Banyuwangi-East Java
Public community

JOB MARKETS  PRACTICE PLACES

“SELF CONFIDENCE” EXCELLENCE – COMPETITIVE GRADUATES

Knowledge – Skills – Value-Attitude-Behaviour

PROFESI-1 PROGRAM

Interpersonal, Leadership, Motivation Commitment, Professionalism

Team Work, Reliability, Social Responsibility

Communication, Problem Solving, Creativity

Learning Skills, Motivation, Academic Ethic

TRANSFERABLE – SOFT SKILLS DEVELOPMENT

Curriculum  Co-Curricular

EXTRA CURRICULAR

STATE OF THE ART FOR STUDENT SOFT SKILLS DEVELOPMENT
• Designing The state of the art for soft skills development by Redesigning the curriculum, focusing on integrated soft skills in students-center-learning:
  – PBL (Problem-Based Learning),
  – EBL (Evidence-Based learning),
  – RBL (Research-Based Learning),
  – E-learning (Airlangga University E-Learning Application-AULA)
Improving International Collaboration

**Degree Programs:**

- **Double Degrees**
  - Groningen University
  - Auckland University of Technology
  - Murdoch University
  - Rotterdam University
  - Bonn University
  - Flinders University
  - QUT

- **Joint Degree**
  - Hiroshima University

**Non-Degree Programs:**

- Credit transfers,
- Credit earnings,
- Field studies, and
- Internship summer courses

- **Academic Mobility**
  - Asia Pacific
  - Europe
  - North & Latin America
  - Asean University Network ++
Academic Mobility Programs:

• An important factor to facilitate and promote student academic mobilities and exchanges among institutions across countries.

• Facilitate the process of integration and learning opportunities within various education systems across the world.

• An access to the transnational knowledge paths and education advantages around the world.
CAREER DEVELOPMENT

• creating social entrepreneurs who could live together with the society to experience the learning interaction and to create good communication system among students from different study programs and faculties before they enter the complicated and diverse public communities, and

• To improve the graduates’ quality and competitiveness, and when they are entering the job market and professional practices, they will be ready to work with the public/stakeholders.
UNIVERSITY ASSESSMENT

The main and fundamental character of the higher education is the substance of the curriculum that should gain recognition and national/international accreditations.

INSTITUTION ACCREDITATION (UNIV.AIRLANGGA): A SURVEILANCE OF ARLANGGA INTEGRATED MANAGEMENT SYSTEMS (AIMS)

<table>
<thead>
<tr>
<th>Certification</th>
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<td>512.5</td>
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<td>665</td>
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ITD WAS AWARDED CoE ON DECEMBER 5, 2012 BY MINISTER OF RESEARCH AND TECHNOLOGY OF INDONESIA
ITD as A CENTER of EXCELLENC
KNAPPP ACCREDITATION
(National Accrediting Commission of Research and Development Institutions)

27 August 2013 by Ministry of Research and Technology
ITD AWARDED PRAYOGASALA BY MINISTRY OF RESEARCH AND TECHNOLOGY INDONESIA, 29 AUGUST 2013
THANK YOU