INDONESIAN TVET HIGHER EDUCATION POLICIES AND STRATEGIES ON HARMONISATION AND INTERNATIONALISATION

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Republic of Indonesia

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2) Deputy Director in SEAMEO SEAMOLEC
3) Education Attaché in Indonesian Embassy, MANILA, PHILIPPINE
4) Manager of Indonesian German Institute (IGI)
5) World Bank Consultant for BERMUTU (Better Education through Reform Management Universal and Teacher Upgrading) Program
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**Indonesia** viewed education is a noble process in improving a quality of human being and not a commercial goods that can be traded.

Internationalization of education in Indonesia will be carried to support the formation of a world intellectual community with mutual understanding and solidarity among scholars in preserving world peace by facilitating the development of academic mobility and higher education collaboration.

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### Our Efforts to increase Higher Learning Gross Enrolment Rate

**OPEN ACCESS THROUGH:**

- Increasing number of Higher Education Institutions and Study Programs
- Providing Scholarship Scheme (outstanding candidate, marginally economic, students in remote area)
- Establishing Indonesian Qualification Framework (IQF)

**OPEN ACCESS THROUGH RPL**

- Incorporate individual self learning, training, working experiences into Higher Education Program.
  - Cost and time effective
  - Equity
- Better employment opportunities
- Support Life Long Learning
- More flexible learning Careers
TIMELINES FOR IMPLEMENTATION
ROAD MAP

<table>
<thead>
<tr>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUG</td>
<td>SEP</td>
</tr>
<tr>
<td>Consultation with stakeholders</td>
<td>RPL piloting</td>
</tr>
<tr>
<td>Revised MoEC Decree 14/2014</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Regulations

1. Indonesian Qualification Framework
2. National Standard of Higher Education
3. Quality Assurance System (Internal and External)
4. National Standard of Teacher Profession

Problems

- AEC Readiness, Nationalism, Drugs, and Radicalism
- Lack of:
  - English proficiency,
  - Leadership Organisation,
  - Communication
  - Higher Order Thinking, and
  - IT skills (WB 2010, Dikti 2012).

Solution

- **General Education**
  - Revitalisation
    - 1.0 enrichment (embedded/hidden curriculum)
      - Learning to think, reading skill, writing skill, articulate communication skill, and nationalism.
    - 2. extra curricula dan Co-curricula program

- Graduate:
  - Truly Indonesian Character, “open minded”, competitive, Ready go International, innovative, communicative, tolerant, entrepreneurship minded, High Responsibility and High order thinking
Balancing Hard skills and Soft skills

Inclusion of soft skills enhancement in the curriculum

- Communication, Networking skills, Performance, and Mentality

Off Campus Activities

- Internship, working experience, community services, student mobility

Higher Education is carried out in one holistic program

Focus on science development, produces HR who competent on their fields

Focus on improvement and development of unique skills
### Current Number of Polytechnic in Indonesia

<table>
<thead>
<tr>
<th>Province</th>
<th>Public</th>
<th>Private</th>
<th>Special Gov. Officer</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sumatera, Kepri, Babel</td>
<td>9</td>
<td>39</td>
<td>12</td>
<td>60</td>
</tr>
<tr>
<td>Jawa</td>
<td>16</td>
<td>92</td>
<td>20</td>
<td>128</td>
</tr>
<tr>
<td>Kalimantan</td>
<td>8</td>
<td>16</td>
<td>4</td>
<td>28</td>
</tr>
<tr>
<td>Sulawesi</td>
<td>4</td>
<td>10</td>
<td>11</td>
<td>25</td>
</tr>
<tr>
<td>Bali, NTB, NTT</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Papua dan Papua Barat</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td><strong>JUMLAH</strong></td>
<td><strong>43</strong></td>
<td><strong>166</strong></td>
<td><strong>53</strong></td>
<td><strong>262</strong></td>
</tr>
</tbody>
</table>

STUDENTS BODY (234,495 students)

Sumber: Forlap DIKTI dan PDPT, 12 Juli 2015

### International Collaboration Education Sector

**Students Mobility**

- Credit Transfer
- Joint Curriculum
- Joint Degree
- Double Degree
- Fast Track

**2,250 Students and Staffs Mobility**

- The configuration of Indonesian academic staff
- The necessity for Indonesian academic staff to gain competence and quality of international standards
- The inevitability of Indonesian higher education institutions to provide high quality courses to students & community

Total Number of Mobile Students Abroad: **39,098**
## ASEAN University Network (AUN): Member Universities

<table>
<thead>
<tr>
<th>Country</th>
<th>Universities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brunei Darussalam</td>
<td>Universiti Brunei Darussalam</td>
</tr>
<tr>
<td>Cambodia</td>
<td>Royal University of Phnom Penh, Royal University of Law and Economics</td>
</tr>
<tr>
<td>Indonesia</td>
<td>Universitas Gadjah Mada, Universitas Indonesia, Institut Teknologi Bandung, Universitas Airlangga</td>
</tr>
<tr>
<td>Lao PDR</td>
<td>National University of Laos</td>
</tr>
<tr>
<td>Malaysia</td>
<td>University of Malaya, Universiti Sains Malaysia, Universiti Kebangsaan Malaysia, Universiti Putra Malaysia</td>
</tr>
<tr>
<td>Myanmar</td>
<td>Institute of Economics, Yangon, University of Yangon</td>
</tr>
<tr>
<td>The Philippines</td>
<td>University of the Philippines, Ateneo de Manila University</td>
</tr>
<tr>
<td>Singapore</td>
<td>National University of Singapore, Nanyang Technological University, Singapore Management University</td>
</tr>
<tr>
<td>Thailand</td>
<td>Chulalongkorn University, Burapha University, Mahidol University, Chiang Mai University</td>
</tr>
<tr>
<td>Viet Nam</td>
<td>Vietnam National University, Hanoi, Vietnam National University, Ho Chi Minh City</td>
</tr>
</tbody>
</table>

## Student’s Achievement in International (2015)

1. **Politeknik Elektronika Negeri Surabaya (PENS)**
   - RocoCup, Hefei, China: 2nd Runner Up - Humanoid Kids Category.
   - Roboboat, Virginia, USA: Best Performance Award, 7th Position, Small Autonomous Boat Category.
   - World Skills Competition, Sao Paulo Brazil: Best Nation Award and Excellent Medal Award for Mobile Robotics, 4th Position of 23 Countries.

2. **Politeknik Negeri Bandung**

   - **Universitas Negeri Yogyakarta**
     - Hybrid Card, Grand Champion – Korea ISGCC.
     - Student Formula Japan – Runner Up Best Rookie, Japan.
HARMONISATION
TRIPLE HELIX ABG (ACADEMIC, BUSINESS AND GOVERNMENT)

Triple Helix

INSTITUSI
- INDUSTRI
- SUMBER DATA & TEKNOLOGI
- PEMASARAN
- LEMBAGA PEMBIAYAAN

BISNIS

PEMERINTAH

MEDIA

PEMERINTAH PUSAT DAN DAERAH

KELOMPOK USAHA, KOPERSASI, PELAKU INDUSTRI
KULUH-HIUR, ASOSIASI

YAYASAN, KOMUNITAS, SANGGAR

CENDERAWAN BUDAIWAN, TOKOH KREATI

INSTITUSI PENDIDIKAN DAN PELATIHAN

INDIVIDU KREATIF

Dual System
Engaging Business and Industry in Education

Industry could help in transferring knowledge and skills to learners and bring the skill level of learners up to standards required of the industries

Industry expected to develop graduates’ capacity in problem solving and working ability (plus professional skills)

Production Based Learning has been implementing since long by ATMI Surakarta, Polman Bandung, Polman Astra, ATS Sorowako, Polman Babel

Problem Based Learning; has been introducing since 2012 to regional polytechnics

Co-operative: Co-operative (3-2-1 and 2-1-2-1) has been introducing since 2000 by Polman Bandung

Dual Vocational Education and Training System is a Challenge to implement in Indonesia, nation wide
POLYTECHNIC EDUCATION DEVELOPMENT PROJECT

Proposal for Joint Operation between USAID and ADB
in supporting Polytechnic Education Development Project (PEDP)

Conceptual Design

**GOALS**

- 25% Increasing of students body and female students 30%
- 25% alumni ready to work and 15% female
- 12,000 credits transfer from SMK to Polytechnic
- 200 staff trained by Industry
- 39 doctorate degree
- applied masteral degree development in 5 sectors
- 2,000 scholarships
- 12,000 RPL assessment
- 150 polytechnic director trained in international management standard
Tujuan Dikti

1. Karya Penelitian untuk Kemaslahatan bangsa, negara, dan manusia

2. Pengabdian Kepada Masyarakat

Sistem Pendidikan Tinggi

- Teaching-Learning Process
- Graduates
- Leadership
- Quality Assurance
- Management
- Resources
- Organization
- Staff
- Funding
- Physical Facilities
- Laboratory
- Curriculum

INDUSTRIES

Tujuan Dikti

- Indonesia, kesejahteraan dan professional yang beriman, bertakwa, berakhlak mulia, berbudaya, kreatif, berkarakter tinggi

ACTIVITIES

Indonesian Education Expo 2011

- Telematics, Informatics, and Professional yang beriman, bertakwa, berakhlak mulia, berbudaya, kreatif, berkarakter tinggi

- Karya Penelitian untuk Kemaslahatan bangsa, negara, dan manusia

- Pengabdian Kepada Masyarakat

- Indonesian Education Expo 2011

- ACTIVITIES
STUDENTS EXCHANGE

INDONESIA UNIVERSITY

BANDUNG TECHNOLOGY UNIVERSITY

THANK YOU

TERIMA KASIH