Slide 1

Policy of Ministry of Research, Technology and Higher Education on Human Resources Development for Sustainable Societies in Indonesia

Current Trend and Policy of Lecturer or Teacher Professional Development

Prof. Dr. Ali Ghufron Muki
(Director General of Resources of Science, Technology and Higher Education)

Slide 2

Vision of Ministry of Research, Technology and Higher Education

- Achieving quality higher education in science, technology, and innovation for supporting national competitiveness.
Mission of Ministry of Research, Technology and Higher Education

- To increase the access, relevancy, and quality of higher education to produce qualified human resources, and
- To improve competency in science, technology and innovation for increasing value added of innovative products.

Strategic Goals of Ministry of Research, Technology and Higher Education

- The increase of relevancy, quantity, and quality of human resources with higher education and competency in science, technology and innovation for national competitiveness.
Slide 5

Strategic Targets of Ministry of Research, Technology and Higher Education

- The quality improvement of learning and students’ activities in higher education
- The quality improvement of institutions of science, technology, and higher education
- The increase of relevancy, quality, and quantity of human resources of science, technology and higher education
- The increase of relevance and productivity of research and development, and
- The enhancement of innovation capacity.

Slide 6

Recent Higher Education Problems in Indonesia

- Low gross/net enrollment ratio in higher education
- Low quality in national higher education
- Low national competitiveness level
- High number of unemployed young people with higher education
- Irrelavance between higher education and the need of job markets
**Future Challenges**

- Globalization: WTO, ASEAN Community (MEA), APEC, AFTA
- Environmental problems
- The advancement of information & communication technology
- Convergence in science and technology
- Knowledge-based economy
- The increase creative industry and culture
- The shift of world economic power
- The influence and impact of technoscience
- Quality, investment, transformation in education sector

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**Slide 8**

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...Indonesia’s economy has enormous promise...

...Indonesia’s recent impressive economic performance is not widely understood....

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**Indonesia today...**

- 16th-largest economy in the world
- 45 million members of the consuming class
- 53% of the population in cities
- Producing 74% of GDP
- 55 million skilled workers
- $0.5 trillion market opportunity
- Education as a keyword

**...and in 2030**

- 7th-largest economy in the world
- 135 million members of the consuming class
- 71% of the population in cities
- Producing 86% of GDP
- 113 million skilled workers
- $1.8 trillion market opportunity
- Education as a keyword

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*Sumber: Archipelago Economy: Unleashing Indonesia’s Potential (McKinsey Global Institute, 2012)*
Global Creativity Index consists of 3 main components: (1) Index, (2) technology, and (3) balance...
**Slide 11**

**Scheme**

HR & Science tech Development

- Technology Sovereignty through Innovation
- Industry and Economy Sovereignty through Excellent HR
- Economic and Industrial Competitiveness through Skilled manpower
- Research Unit
- Polytechnic and Higher Education
- Community Colleagues for local Skilled labor
- Vocational secondary School
- Course / Non-formal education for enhancing local labor competence

- Develop 10 - 20 Research Universities and National Research Centre
- One University & 2 Excellent Polytechnic in every Province (100 New Polytechnic )
- One Academic Community in every city / regency (321 Academic Community )
- SMK, SMA (Vocation and Senior High School) : Strengthen quality and relevancy of SMK
- Quality improvement, Strengthen Relevancy, and certify course institutions

**Slide 12**

**Staging (belum selesai...)**
Data of Teaching Staff Based on Academic Position

- Professor: 4,390, 3%
- Lektor Kepala: 23,814, 16%
- Lektor: 35,467, 22%
- Asisten Ahli: 30,352, 19%
- Lecturer: 62,722, 40%

Data of Full-time teaching Staff Based on Highest Education Level

- S-3 & Sp-2: 15,523
- S-2 & Sp-1: 80,667
- S-1 & D4: 59,526
- Lainnya: 3,029
Slide 17

**Scholarship Beneficiary for local PhD**

(S 3)

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Slide 18

**Overseas Scholarship Beneficiaries For Master Degree ( S 2)**

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Scholarship Beneficiary for PhD Degree (S3)