Academic Health System Development: Perspective of Ministry of Research, Technology, and Higher Education

Director General of Human Resources for Science, Technology, and Higher Education
“...university encompasses a ‘third-mission’ of economic development in addition to research and teaching.” Readings (1996)
A. COLLABORATION BETWEEN MINISTRY OF RESEARCH, TECHNOLOGY, AND HIGHER EDUCATION MINISTRY OF HEALTH

DR. WARSITO
INVENTOR EECT
ELECTRO CAPACITIVE-CANCER THERAPY

INTERNATIONAL CANCER CENTER RS SARDJITO?
B. UJI KOMPETENSI PENDIDIKAN PROFESI DOKTER (UKMPPD) MAHASISWA (National competency exam)

SUMBER: google.com

Prof. dr. Ali Ghufron Mukti., M.Sc. Ph.D.
Direktur Jenderal Sumber Daya Ilmu Pengetahuan, Teknologi dan Pendidikan Tinggi
Kementerian Riset, Teknologi dan Pendidikan Tinggi 2016
C. Recognition of Lecturers from Ministry of Health

THE RECOGNITION OF LECTURER STATUS FROM MINISTRY OF HEALTH

SUMBER: google.com

Prof.dr.Ali Ghufron Mukti., M.Sc. Ph.D.
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Kementerian Riset, Teknologi dan Pendidikan Tinggi 2016
Dokter Layanan Primer (DLP)/Primary Care Physician is a doctor who has an extensive competence on medical science and public health, obtained through medical training equal to or suited to specialization training program responsible in primary health care institution. PCP act as a gate keeper and to make sure health problems in primary health care can be tackled using family care approach and emphasize on promotion and prevention.

An example of modern primary care is GMC (Gadjah Mada Medical Centre)
Philosophy of Academic Health System from Higher Education Perspective: Tridharma of Higher Education

- Providing standardized education facilities that accommodate development of science, technology, and education in order to fulfill the needs of health services
- Providing health services according to the needs of local and national society
- Implementing intervention program that will solve health problems in the society according to the evidence-based research
- Implementing translational research for science technology development aligned with the purpose to improve the quality of health outcomes
- Developing integrated database of health-higher education

Joint Committee of Minister of Research, Technology, and Education and Minister of Health: Improving the Quality of Education, Research, and Health Services
Academic Health System (AHS) is an organizational network that consists of medical and health faculties, teaching hospitals, research institutes, private sectors, and/or local government, that become part of health-education system integration to provide best health outcomes to society through health education and translational research that will impact to the continuous quality improvement for healthcare.

Reference: Draft of AHS Development Guideline (Joint Commission MoRTH-MoH, 2016)

The mission of AHS development in Indonesia, in pursuing continuous quality improvement for education-research-services integration, are as follows:

- Implementing excellent health care through evidence-based innovation
- Conducting new state of the art medical and health education which uphold moral and ethics
- Conducting innovative research to improve science mastery and medical technology in healthcare services through translational research
- Performing good governance for every member of Academic Health System and cultivating other healthcare facilities
- Supporting and providing input for the formulation of government policy
Philosophy of Academic Health System:
Integration System of Health Education & Health Services

Source: Lancet Commission, 2011
Lessons learned: AHS Model of UI

MINISTRY OF HEALTH

MINISTRY OF RESEARCH, TECHNOLOGY, & HIGHER EDUCATON

PKM: Community Health Center
Academic Health System (DIY dan Sekitarnya)

KOMITE BERSAMA KEMENRISTEK DIKTI – KEMKES

PELAYANAN

RSUH Dr. Sardjito (Kelas A)

RSUH Hardjo Lukito (Kelas B)

PEMDA/DINKES

PENDIDIKAN

Fakultas Kedokteran

FAKULTAS KEDOKTERAN UNIVERSITAS GADJAH MADA

PENELITIAN

RSUH Dr. Soeradji Tirtonegoro, Klaten (Kelas B)

RSUH Banyumas (Kelas B)

PEMELITIAN

GMC

DLP

KLINIK

PUSKESMAS

RS DLL

Benchmark
AHS Development Stage

Consensus Building & Commitment among Stakeholders:
- Mission Alignment
- Strategic plan
- Regulation

Synergy and integration phase of education-research-health service management system (AHS business model):
- Operational Guideline
- Organization structure
- Integrated Recruitment & Procurement System
- Integrated Financial Management System
- Integrated database & ICT System

Implementation of AHS:
- Functional Integration
- Structural Integration

Existing Legal Aspect:
1. UU No.20/2013, Medical Education
2. PP No.93/2015, Teaching Hospital Rumah Sakit Pendidikan
3. RPP about implementation of UU No.20/2013 (draft)
4. Presidential Decree about AHS (initial discussion)

Main Stakeholders:
1. Central Government (MoRTHE, MoH, MoF, Min of Internal Affairs, and related Ministry of Coordinator Affairs)
2. Local Government (Health District, Governor)
3. Educational Institution (University, Faculty, Research Center, etc)
4. Health Service Institution (Teaching Hospital, Center for Health Services, etc)
Academic Health Center/System Model in Indonesia

Benchmarking: AHS Model In America

- Faculty of Medicine
- Other Faculty in Higher Education Institution
- Research Center
- Laboratory, etc

AHC/S

Center of Excellence Continuum of Care

University Community

Teaching Hospital

Practice Plan

- Health District (local government)
- Industry
- Private sector

5 prospective AHS model in Indonesia

1. UNHAS (South Sulawesi region)
2. UI (Jabodetabek region)
3. UGM (DI Yogyakarta region)
4. UNAIR (East Java region)
5. UNPAD (West Java region)
Challenge in Developing AHS Model for Indonesia

- Harmonizing Multi-Sectoral Regulation to Formulate Robust Legal Aspect for AHS
- Integration of Organization Structure and management System (HR, finance, procurement, etc)
- Harmonizing Organization Culture among institutions
- Consensus building and commitment from government and stakeholders to develop AHS model for Indonesia
AHS benefit, International Publication (Scopus)

Posisi Indonesia dalam kancah publikasi internasional (general)
Publication Scopus index s/d 2014 ➔ Indonesian citation index

Seminar Professorship
Way Forward

(1) Strengthening the evidence based policy for AHS development, through:
   - Need assessment and academic paper that will be fundamental basis in formulating national mission statement as well as to develop alternative model of AHS that suitable for Indonesia
   - Benchmarking of AHS model from another country (incl. SWOT from each model)
   - Consensus building of expert groups and stakeholders for AHS development (strengthening the alignment among stakeholders)

(2) Formulating national guideline of AHS development in Indonesia

(3) Accelerate the accomplishment of government regulation as legal basis for AHS development:
   - Government Regulation Regarding Implementation Regulation of Act. No.20/2013, and further technical regulations regarding AHC management.
   - Presidential Decree regarding AHS Development

(4) Support the piloting of 5 prospective AHS models (UI, UNHAS, UGM, UA, UNPAD), start from F.Y 2017. The model will be adopted by other AHS in Indonesia (open), ask and encourage of each AHS to formulate their center of excellence
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Kementerian Riset, Teknologi dan Pendidikan Tinggi
2016
THANK YOU

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