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FACULTY OF MEDICINE

Tackling Indonesia's Health Challenges Through Collaboration of Healthcare Service, Medical Education, and Research

Presented in QS-SFS Medicine in Taiwan, October 2017.

Ratna Sitompul

Dean of Faculty of Medicine Universitas Indonesia

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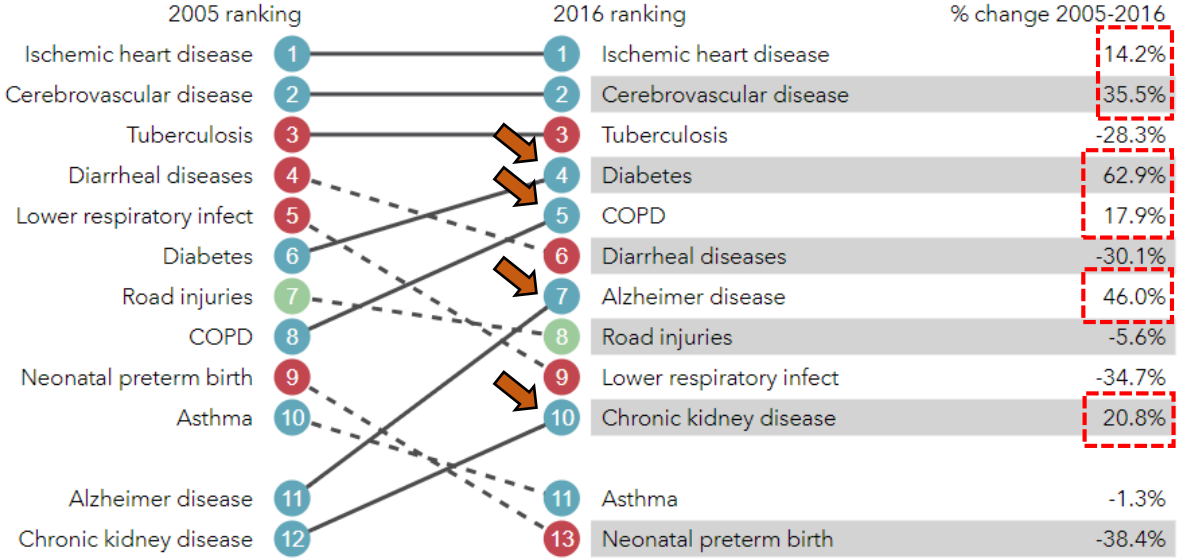
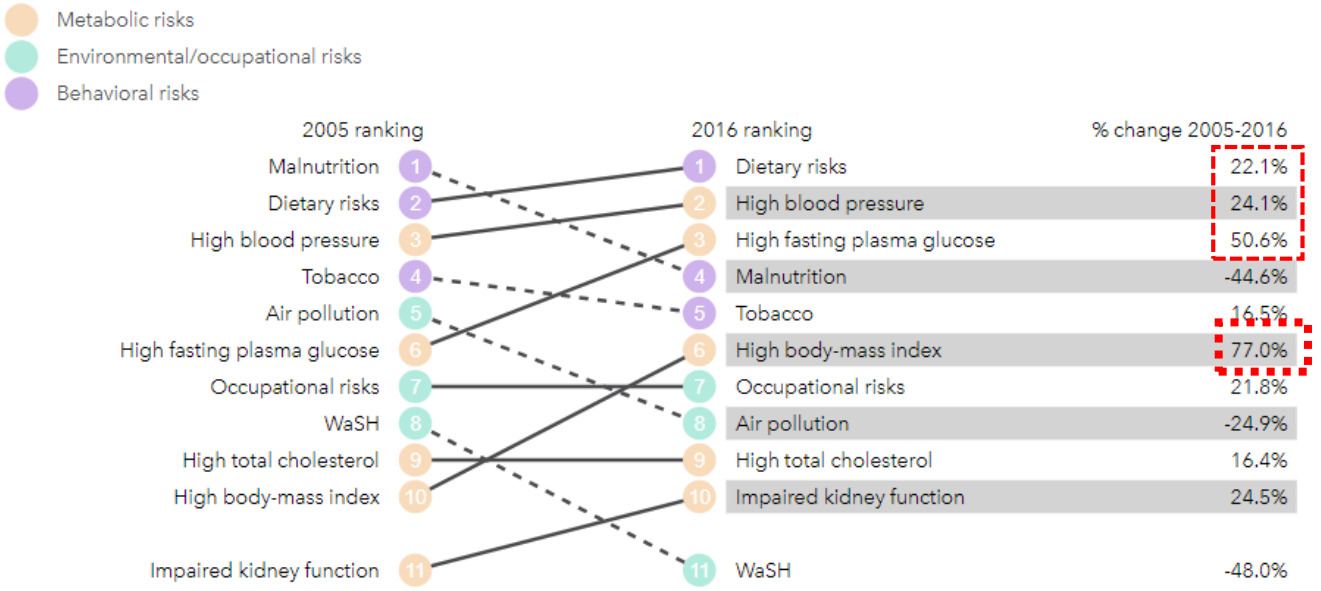
Double Burden of Disease

- Indonesia is undergoing rapid changes as a number of health indicators improve steadily
- Non-communicable diseases (CVDs, metabolic diseases) emerges as a prominent health burden alongside infectious diseases (TB, NTDs, malaria)

What causes the most deaths?



What risk factors drive the most death and disability combined?

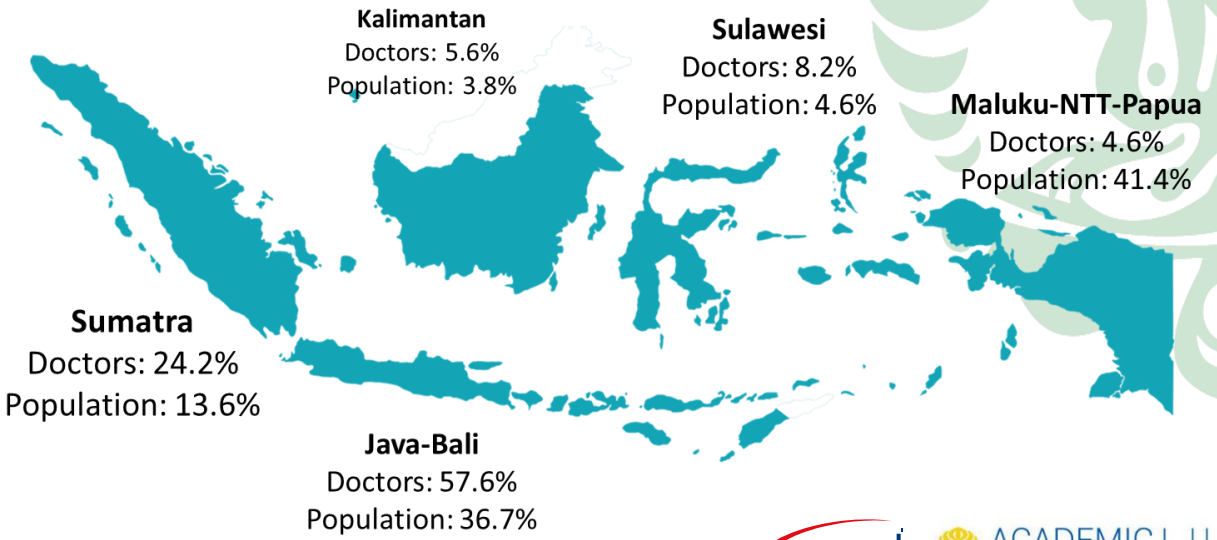


Institute of Health Metrics and Evaluation. Indonesia. http://www.healthdata.org/indonesia

Uneven distribution of Doctors

- Ratio of doctors to population in Asian Region is lower than other Asian countries
- Most Indonesian doctors (57.4%) were concentrated on Java and Bali (36.7% total population, 6.9% total area) while very lacking in eastern region.

"there is an inequality of healthcare service across islands of Indonesia"



Impact of National Health Coverage

- Implemented in 2014 with the focus of general health, intended to bring quality healthcare services at an affordable cost
- Challenges:
  - High spending on curative treatment
  - “Free healthcare service” increases patient visit, but administrative and referral system are inefficient
  - Doctors and medical facilities are overstretched by the amount of patients, especially on secondary level healthcare service

Patient queue in one of Secondary Level Healthcare facilities in Jakarta, Indonesia

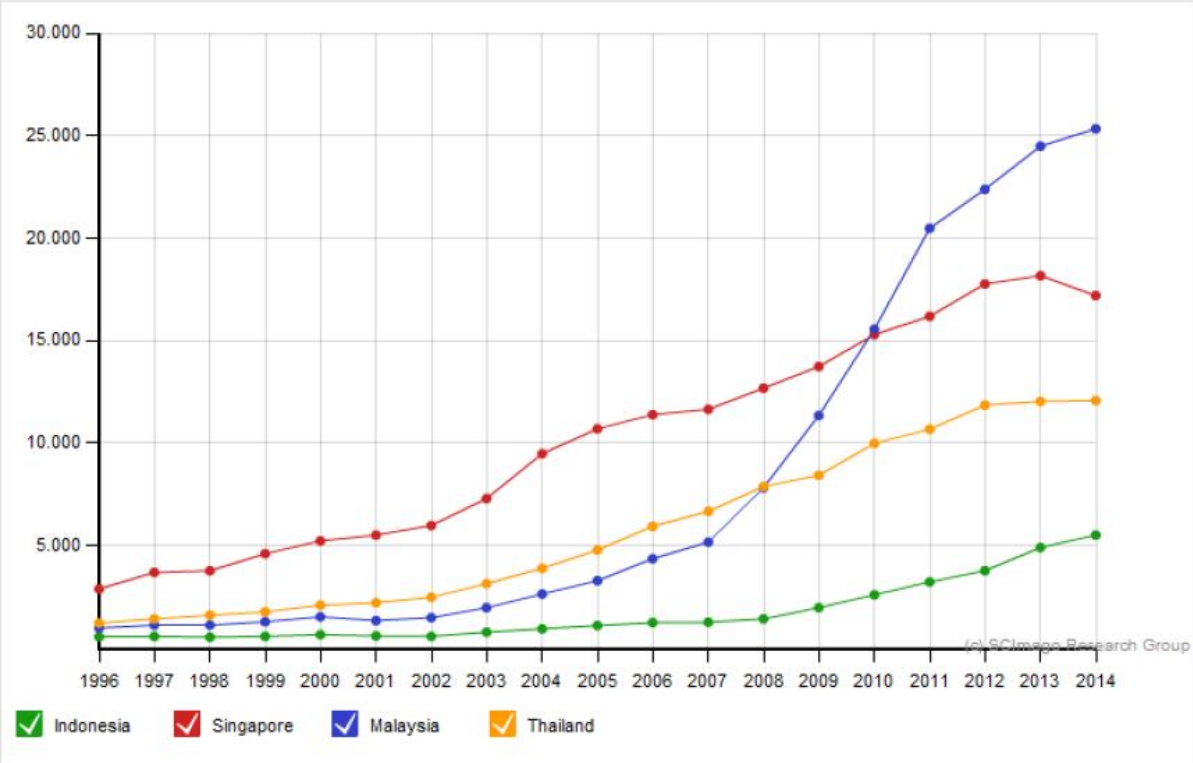
“There is an urgent demand on better utilization of primary care service”

Problem of Innovation and Development Culture in Indonesia

Indonesia has not yet develop a strong culture of innovation and development, and it results in :

- Dependency to import in manufacture and technology
- Low publication
- Low export capacity

This results in high expenditure on imported medical facilities and medical drugs.



Overall publication count from Indonesia compared to different countries (1996-2014)

National Commitment on Innovation

National Development Priority Subjects

- Food Autonomy
- Maritime
- Discovery and Utilization of Renewable Energy
- Medical Technology and Drug Development
  - Biopharmaceutical Technology
  - Medical Equipment and Diagnostic Technology
  - Independent Drug Raw Material Technology
- Transportation management and technology development
- Disaster Relief Management
- Information and Communication Technology
- Novel Materials Development
- Social-humanities-culture-education

Government Strategies to Increasing Human Resources of Research and Development

- Provision of scholarships for high-achieving graduate students
- Recruitment of international researchers and research institute
- Open recruitment of post-doctorate researchers in universities and research agency
- Encouraging collaboration between universities and research agency in form of research-based postgraduate education
- Provision of funding for global conferences and/or short-term research fellowship
- Provision of public research infrastructure

National Commitment on Quality Improvement of Medical Education

- HPEQ
- Government Law on Medical Education
- Accreditation of Higher Education Institute
- National Competence Exams
- Opening of new medical faculties

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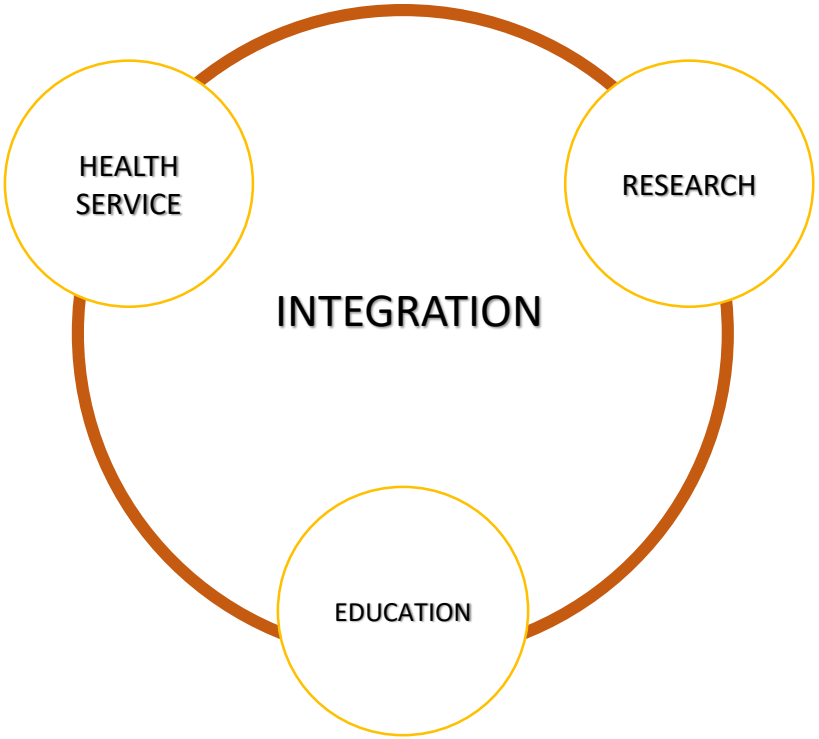

"Academic innovation through collaborative outstanding health care for people and communities"

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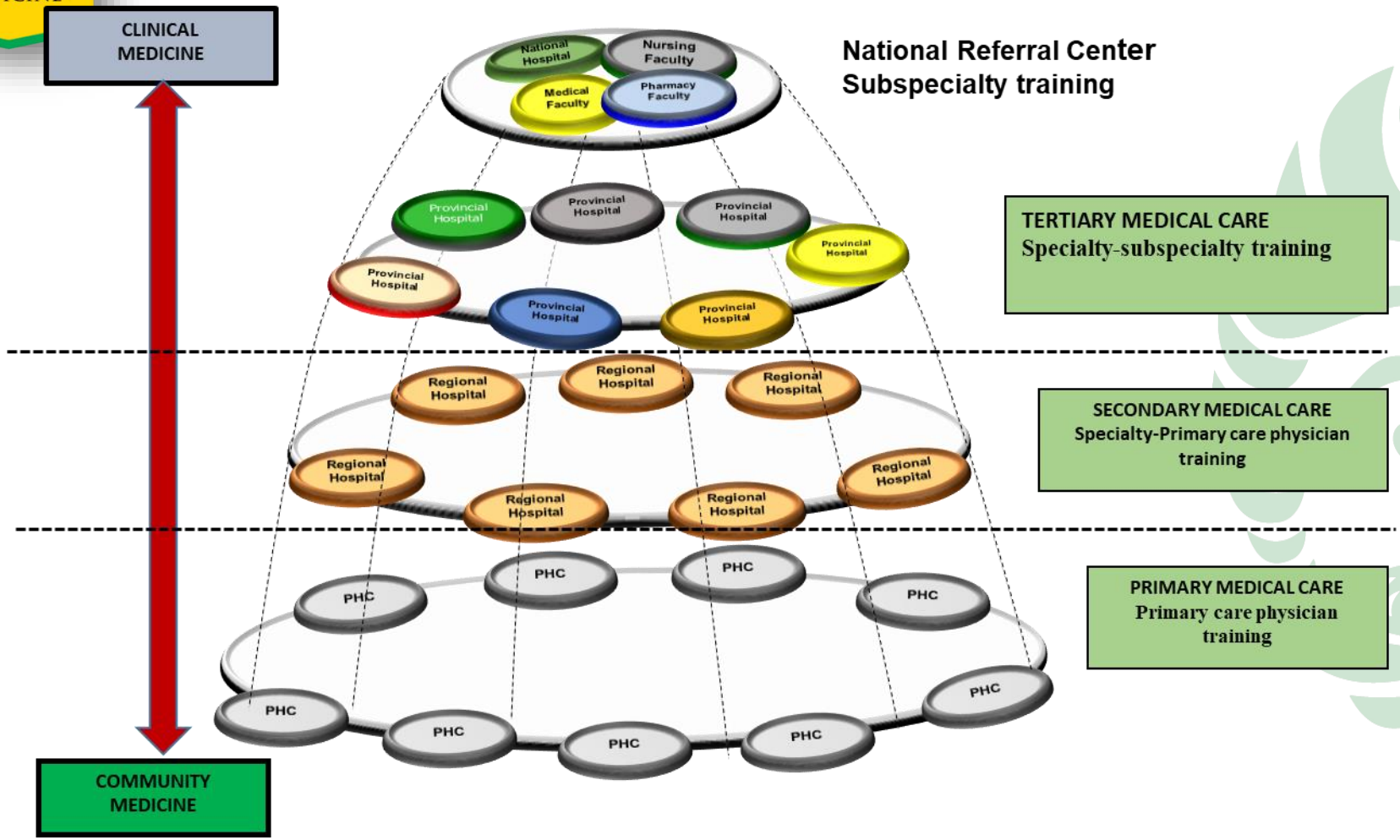
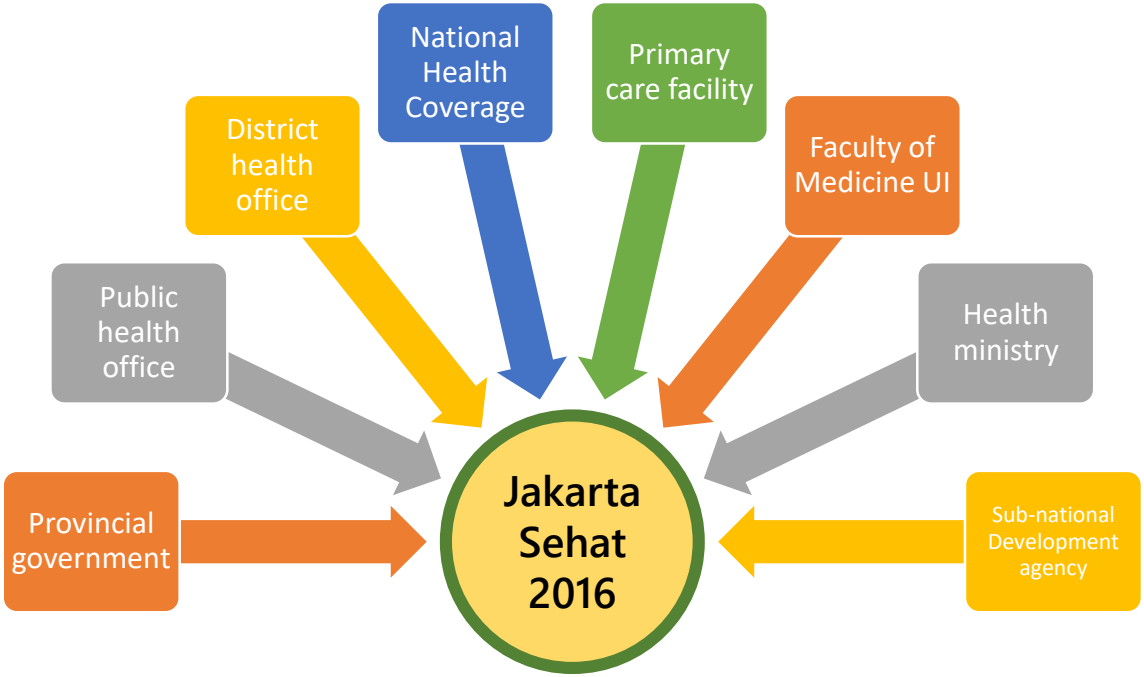
Hirerarchial Model of AHS-UI



"Health-system based education = Academic-based health system"

JAKARTA SEHAT

Collaborative program between FMUI/RSCM and the goverment of DKI Jakarta.



Programs:

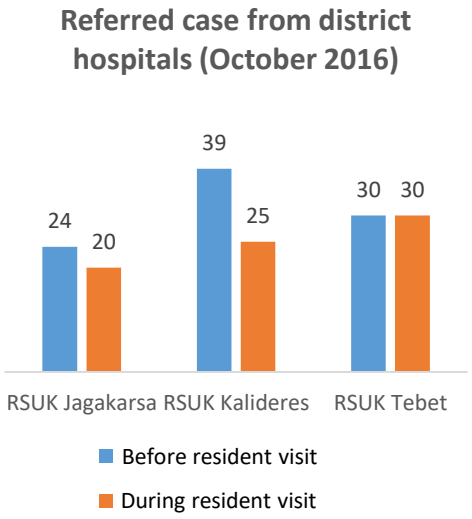
Primary Care Level intervention

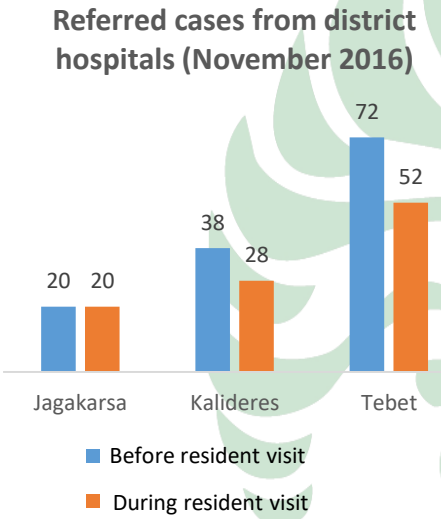
Secondary Care Level intervention

Jakarta Kuratif

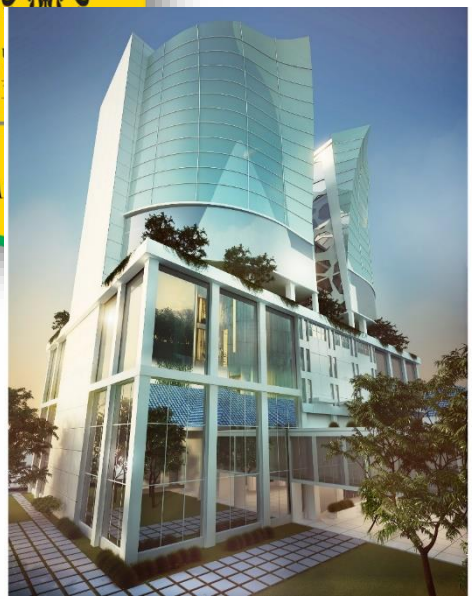
JAKARTA SEHAT

Collaborative program between FMUI/RSCM and the goverment of DKI Jakarta.



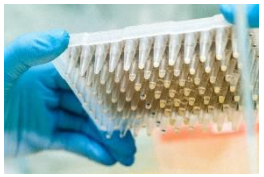


"The collaborative program benefits medical education by providing a learning platform for residents, and the government by improving quality of healthcare service and referral system"



IMERI
INDONESIAN MEDICAL RESEARCH INSTITUTE





INDONESIAN MEDICAL EDUCATION AND RESEARCH INSTITUTE

Academic Health System Universitas Indonesia
Jakarta - Indonesia

" Leading disruptive innovation in medical education & research for better healthcare and quality of life "

RESEARCH FOCUS

Infectious disease and immunology

Cardiovascular, metabolic and aging

Human cancer

ina-repromed
Indonesian Reproductive Medicine Research and Training Center

Human reproduction and fertility

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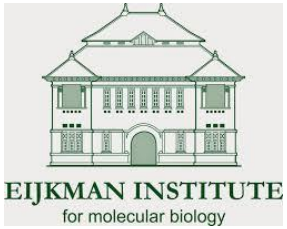
RESEARCH FUNDING

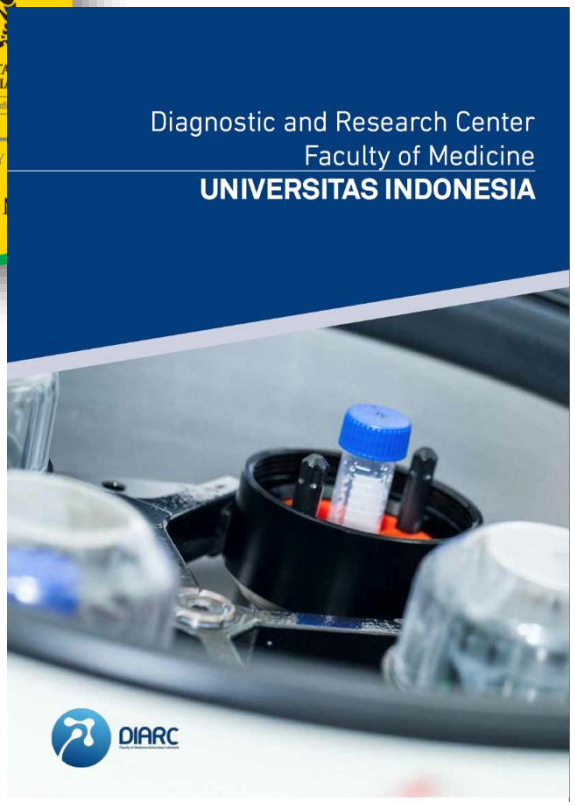
PUBLIC-PRIVATE-PARTNERSHIP

IPMG
International Pharmaceutical Manufacturers Group

KEMENTERIAN KESEHATAN
REPUBLIK INDONESIA

LIPI





WRITINGCENTER
Faculty of Medicine Universitas Indonesia

biobank
Faculty of Medicine Universitas Indonesia

INNOVATE
Indonesian Innovation for Health

"IMERI serves as an integrated research facility and support center for researchers of Indonesia."

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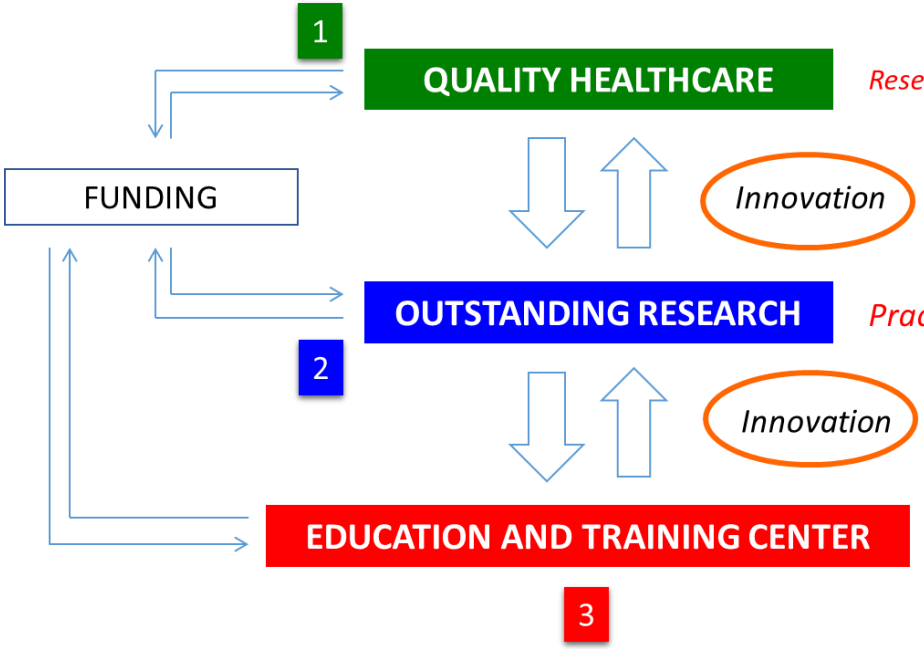

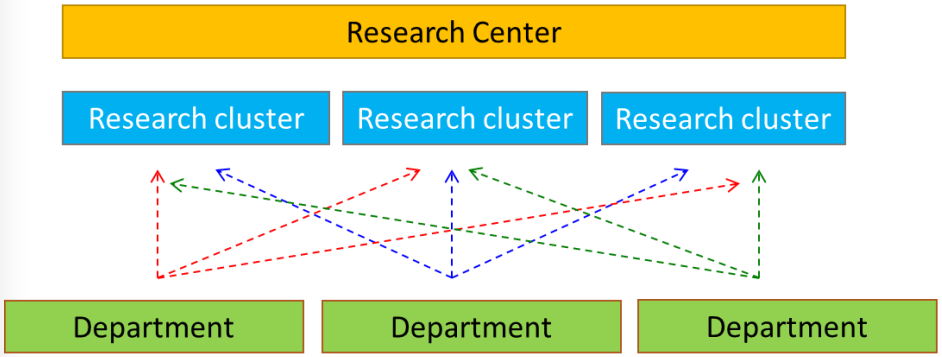

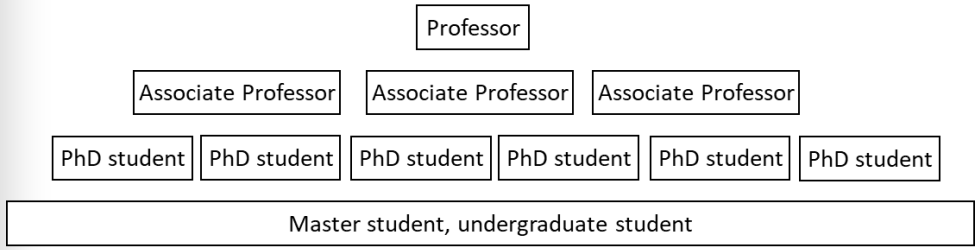

4 PUBLICATION

Concept of Integrated Development of Clinical Care, Medical Education, and Research in AHS-UI and IMERI

Research Workshops, Conferences, and Competitions

ICE on IMERI
THE 1ST ANNUAL INTERNATIONAL CONFERENCE AND EXHIBITION
INDONESIAN MEDICAL EDUCATION AND RESEARCH INSTITUTE
Auditorium IMERI 4th Floor, IMERI Hall 2nd Floor, 14th-16th November 2016

10th JAKMED

10th Jakarta Meeting on Medical Education 2017

The 2nd International Conference on Global Health 2017
"Improving Quality of Life For Sustainable Development"
August, 14-16 2017, Auditorium IMERI FMUI, Jakarta - Indonesia

RSCM · ina-repromed

INAREPROMED - IMMUNOENDOCRINOLOGY REPRODUCTION DIVISION PRESENTS

3rd JAKARTA INFERTILITY UPDATE 2017

IDI ACCREDITATION

DECEMBER 8-10th, 2017
@IMERI FKUI

"FROM BENCH TO CLINICAL PRACTICE AND MARKETPLACE"

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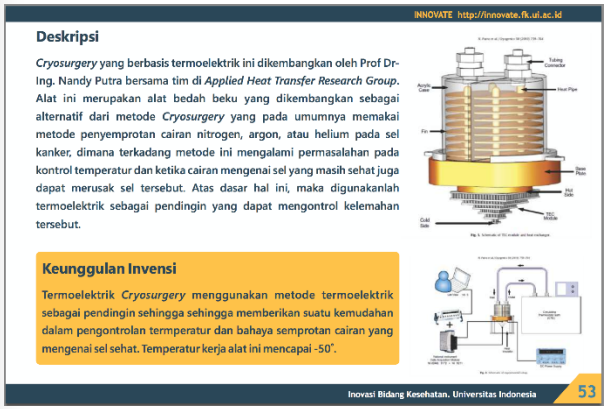
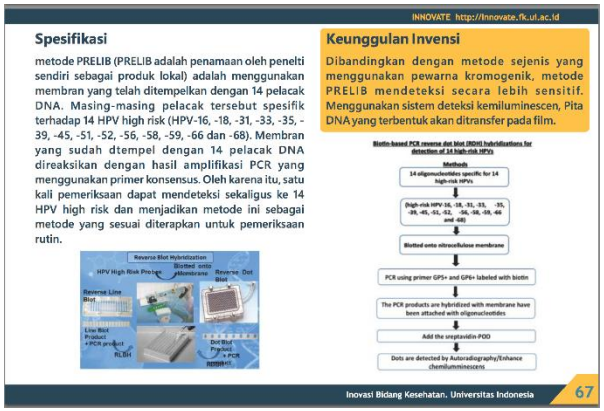
Health Innovations Curated by IMERI





INNOVATE
Indonesian Innovation for Health

www.innovate.fk.ui.ac.id

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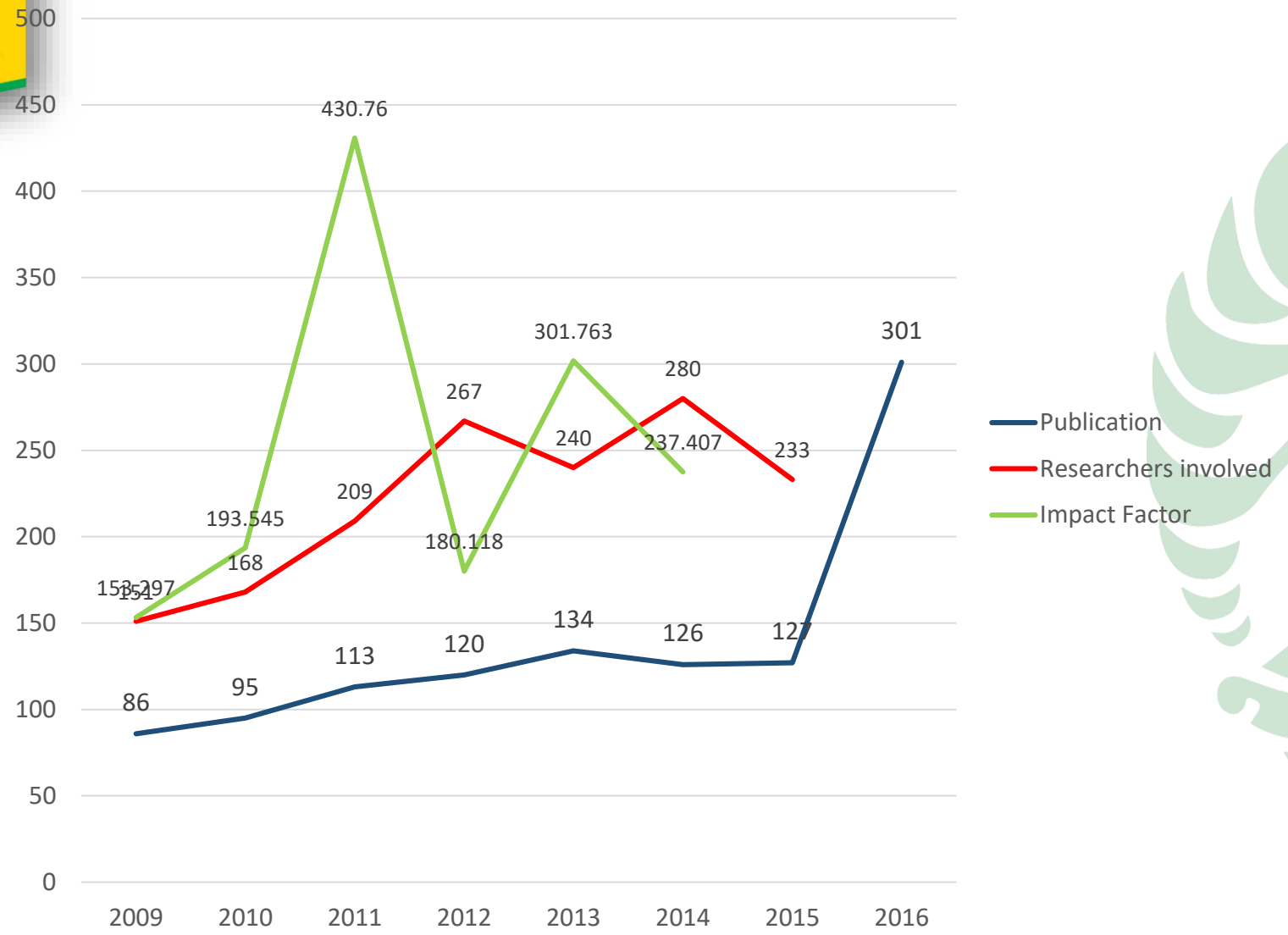
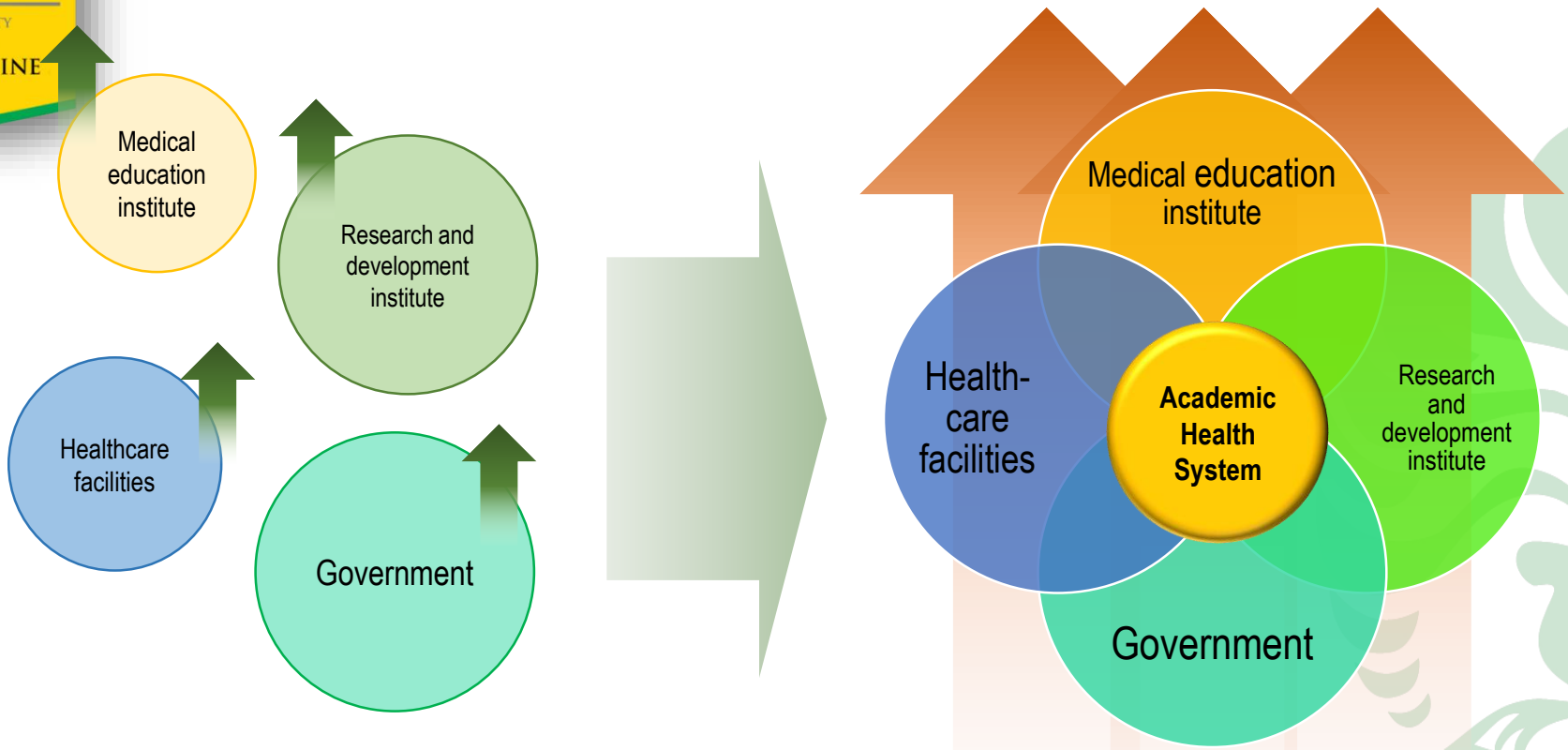
International Publication from FMUI



Role of University

- Agent of Education
- Agent of Research and Education
- Agent of Culture and Technology Transfer
- Agent of Economic Development

NATIONAL HEALTH WELFARE



"To boost national health development, medical education institute must act as the visionary leader to align and integrate the missions and strategic plan of healthcare facilities, research agencies, and government in anticipating health challenges of the nation."

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Thank you for your attention

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