Building A Biobank Network in Indonesia

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and Indonesia Biobank Network

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• 4th largest population in the world

• 16,056 islands; ~400 tribes

• GINI: 0.393
Universitas Gadjah Mada (UGM)- Yogyakarta

- The eldest university in Indonesia
- #402 world rank
- >50,000 students; 18 faculties+1 grad.+ 1 vocation

Faculty of Medicine UGM- Yogyakarta

- The largest faculty of medicine in Indonesia
- 32 Departments, ~6000 students
- 2 affiliated academic hospitals
- Population based cohort, center for tropical medicine, biopaleoantropology repository, biobank
1st Workshop (December 5, 2015) – UGM
52 Participants

Topic: “Building Biobank Network In Indonesia: Opportunity and Challenge”

Aim: identify stakeholders and current activities in biobanking for clinical services & research

Conclusion
1. Inequality of understanding among different stakeholders and institution
2. Absence of regulation on biobank for research
3. A need for Informal/ formal organization for biobank
2nd Workshop (November, 7-8 2016)-UGM
45 participants

**Topic**: “Building Biobank Network in Indonesia: Management and Practice of Biobank”

**Aim**: further discussion on details of biobank: ELSI, LIMS, SOP, safety, etc

**Conclusion**: Networking is needed to harmonize and accelerate the development of biobank in Indonesia
Step 1: formation of 4 working groups, free choices

WG1: identification of Infrastructure and expertise (8 person)
Identify in institutions in Indonesia what are infrastructure (Including LIMS) and expertise present in each institutions related to biomaterials repository (collection, processing, storage)

WG2: Review best practices from different resources (12 person)
• Best practices from different resources
• Drafting SOP for collection, transport, processing samples related to the intended analyte (protein, RNA, DNA, metabolites)
Step 1: formation of 4 working groups, free choices

WG3: Education and training (7 person)
- Identify the need for “biobankers” to gain expertise and how to fulfill it
- Identify resources for education and training
- Identify the way for education and training in efficient manner
- Identify way to educate stakeholders

WG4: Ethic and legal (7 person)
- Identify whom and how to approach government and ethical committee network in Indonesia
- Suggesting workflow for inform consent and drafting informed consent
Step 2: communication tool

Step 3: each WG determine their own coordinator
WG 2, 3, 4 have coordinator
What we have done so far?

Information on courses, meetings on biobank national and international

Distribution of materials related to biobank (best practices, courses material)
Lack of leadership

Biobank is voluntarily

Complex problem: infrastructure, manpower, knowledge

Secretary (UGM) re-identify problem and development post 2\textsuperscript{nd} workshop

Preparation WG for 3\textsuperscript{rd} workshop (November 2017): “white paper”, more practical needs
2nd National Biobank Workshop

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