**RENCANA STRATEGIS**

**PUSAT KAJIAN CLINICAL EPIDEMIOLOGY & BIOSTATISTICS UNIT**

**FAKULTAS KEDOKTERAN**

**UNIVERSITAS GADJAH MADA  
2018-2022**

1. **KEBIJAKAN DASAR**
2. **Pendahuluan**

The existence of CE&BU is based on the assignment letter issued jointly by the Dean Faculty of Medicine, UGM and the Director of Dr. Sardjito hospital. Both Faculty of Medicine UGM and Dr. Sardjito hospital have constantly give full support to CE & BU in conducting its educational and research activities

The CE&BU was established in the early 1980s to improve the quality of health care, medical education and research, and public health policy in developing countries. CE&BU became a member of the International Clinical Epidemiology Network (INCLEN), of which the CE&BU Faculty of Medicine UGM is the sole Indonesian member of INCLEN at that time.

CE&BU has achieved an outstanding level in education and research activities. The CE&BU has been conducting master degree for clinical epidemiology since 1992 with the students from Indonesia and abroad (China, Philippine, Thailand, Vietnam, Irak). The recognition in research activities can be shown by the large number of research studies from CE&BU, and the appointment of CE&BU as the only Clinical Epidemiology Research and Training Center (CERTC) in Indonesia for ASEAN.

1. **Nilai-nilai Dasar**

Clinical Epidemiology and Biostatistics Unit, Faculty of Medicine, Gadjah Mada University has core values include: integrity, excellence, leadership, diversity, inclusion, collaboration, respect, collegiality, innovation and mentoring.

1. **Visi**

Clinical Epidemiology and Biostatistics Unit, Faculty of Medicine, Gadjah Mada University has vision to become an excellent institution in Indonesia on education and clinical research and promote evidence based medicine to improve health care services and health policy in Indonesia.

1. **Misi**

Clinical Epidemiology and Biostatistics Unit, Faculty of Medicine, Gadjah Mada University has mission

1. to contibute the multi disciplinary approach (clinical epidemiology, biostatistics, clinical and health economics, and social science) in solving priority health problems in the clinical and community settings.
2. To serve as a main resource to facilitate teaching, learning, and consultations in applied clinical and health research, and health care evaluation based on clinical epidemiology approach in Indonesia.
3. **Komitmen**

Clinical Epidemiology and Biostatistics Unit, Faculty of Medicine, Gadjah Mada University is committed to training and conduct of clinical research to promote evidence based practice.

1. **Tujuan**
   * 1. To serve as acenter of excellence for epidemiological research within academic health system in Faculty of Medicine UGM and Sardjito hospital by conducting research that are relevant to local, national and regional health care issues.
     2. To create an educational environment in support of collaborative epidemiological research, including training in methods of research design, biostatistics, and data processing; as well as to provide experience working with administrative databases and electronic medical registries as sources of data for research.
     3. To support undergraduate and postgraduate programs on training evidence-based medicine and research, and provides assistance and consultancy for health research
2. **Milestones 2018-2022 : Inaguration of Indonesia Cochrane Center, Publish the book of Clinical Epidemiology and EBM, Inaguration of Data Management Center.**
3. **ANALISIS SITUASI**

**KECENDERUNGAN INTERNAL**

1. **Strength**

Faculty members have higher competences and advanced degrees in various disciplines on clinical research and evidence based medicine including clinicians, pharmacologist, biostatisticians, social sciences, public health, pharmacist, nurses, nutrition, and health policy

1. **Weakness**
2. As a center/unit the researchers do not have tenure track or career ladder and the majority of members focus on leading their own research and are in the tenure track on their department.
3. Limited interhospitals collaboration in clinical research

**KECENDERUNGAN EKSTERNAL**

1. **Opportunity**
2. Increasing the needs of professionals, researchers and health workers for training in clinical research, health technology assessment and evidence based medicine.
3. Increasing the need of clinical studies, clinical trials and research data
4. **Threats**
   * 1. Support staff has limited management skill
     2. Faculty members have limited time to support activities within the centre
5. **KEBIJAKAN STRATEGIS**
6. Involving human resources from inter-department within Faculty of Medicine and Hospitals in research and education
7. Optimizing research and education/training activities related to clinical epidemiology, evidence based medicine, HTA, systematic review, CDM, and data management
8. Conducting research collaboration (local, national or international)
9. **SASARAN, PROGRAM DAN INDIKATOR TAHUN 2018 – 2022**

Tujuan 1:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sasaran | Indikator | Target | | | | | Program |
| 2018 | 2019 | 2020 | 2021 | 2022 |
| Organize and conduct research in clinical, community and policy settings | Total number of collaborative study | 2 | 3 | 4 | 5 | 6 | Clinical research interdepartment and interhospital within AHS, including research on HTA, Post Marketing Surveillance, Drug utilization study |
| Total number of publication | 0.5 | 0.8 | 1.2 | 1.6 | 2 |
| Total number of citation | - | - | - | 1 | 2 |
| Total amount of sponsor | 100 million | 200 million | 300 million | 400 million | 500 million |
|  |  |  |  |  |  |  |
| Total number of registry | 0.5 | 0.9 | 1.3 | 1.7 | 2 | Development of disease registry and data management center |
| Establishment of data management center | 0.2 | 0.4 | 0.6 | 0.8 | 1 |
| Total number of IT staffs | 1 | 1 | 1 | 2 | 2 |

Tujuan 2:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sasaran | Indikator | Target | | | | | Program |
| 2018 | 2019 | 2020 | 2021 | 2022 |
| Organizing and conducting seminars, trainings and workshops in clinical epidemiology, EBM, research methodology and biostatistics, and health technology assessment | Total number of workshops | 2 | 4 | 6 | 8 | 10 | Workshop on research methodology, biostatistics, HTA, clinical decision making, EBM, systematic review, clinical practice guideline, data management |
| Total number of participants | 60 | 120 | 180 | 240 | 300 |

Tujuan 3:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sasaran | Indikator | Target | | | | | Program |
| 2018 | 2019 | 2020 | 2021 | 2022 |
| Conducting research & training on research methodology, evidence based medicine and its implementation, collaboration with National & International Research Institutes | Total number of international collaborators | 2 | 3 | 3 | 4 | 4 | Collaboration in training and research with National & International Institutions and with other International Centre of Clinical Epidemiology |
|  |  |  |  |  |  |  |
| Launching of Cochrane Indonesia | 1 | - | - | - | - | Cochrane Indonesia |
| Total number of Cochrane Systematic Review Workshop | 1 | 2 | 3 | 4 | 5 |
|  |  |  |  |  |  |  |
| Total number of conferences | 1 | 2 | 3 | 4 | 5 | Annual International Clinical Epidemiology Conference |
| Total number of participants | 100 | 200 | 300 | 400 | 500 |
| Total number of international participants | 2 | 3 | 4 | 5 | 6 |
| Total number of abstracts submitted to the conference | 10 | 20 | 30 | 40 | 50 |

Tujuan 4:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sasaran | Indikator | Target | | | | | Program |
| 2018 | 2019 | 2020 | 2021 | 2022 |
| Supports undergraduate and postgraduate programs on training evidence-based medicine and research, and provides assistance and consultancy for health research | The implementation of teaching | 1 | 1 | 1 | 1 | 1 | Undergraduate – Block B5 (EBM) & Block B6 (Research) |
|  |  |  |  |  |  |  |
| Total number of postgraduate students | 10 | 20 | 30 | 40 | 50 | Postgraduate - Clinical Epidemiology |
|  |  |  |  |  |  |  |
| Total number of training(s) | 3 | 6 | 9 | 12 | 15 | Training on research methodology for residents |
| Total number of participants | 90 | 180 | 270 | 360 | 450 |
|  |  |  |  |  |  |  |
| Total number of consultation(s) | 10 | 20 | 30 | 40 | 50 | Data Analysis & Research Methods consultation |
| Total number of staffs available for consultation | 1 | 2 | 2 | 2 | 3 |
|  |  |  |  |  |  |  |
| Total number of published textbook(s) | 0.5 | 1 | 1.5 | 2.0 | 3.0 | Publishing Textbook of Clinical Epidemiology, Evidence Based Medicine, Module of CDM, Buku Sejarah CEBU |