



VU University
Medical Center
Amsterdam

PLAN OF OPERATION

2014 – 2017

OF THE COOPERATION BETWEEN

**THE FACULTY OF MEDICINE,
DIPONEGORO UNIVERSITY, SEMARANG
(UNDIP - INDONESIA)**

AND

**VU UNIVERSITY MEDICAL CENTER AMSTERDAM
(VUmc - THE NETHERLANDS)**

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INTRODUCTION

The cooperation between both institutes originates from 1988 when the first phase of the "Programme for Improvement of the Teaching Capabilities in Medical Schools in Indonesia" was started. In the past 26 years the cooperation has led to joint research projects, joint supervision for PhD programs, credit transfer for MSc programs, student internship, promotions, publications, development of courses and practical laboratory training.

This Plan of Operation (PoO) is part of the Memorandum of Understanding (MoU) between the VU University/VU Medical Center (VUmc) and the Diponegoro University (UNDIP), Semarang, signed in May 2014 by the Rectors of both universities.

Along with an Indonesian national policy on internationalization, collaboration between Diponegoro University and its international counterpart should be encouraged and continued. The present PoO has been prepared for the years 2014 – 2017, describing the activities planned for that period within the agreed aims and scope of activities as indicated in the MoU.

DEVELOPMENT PLAN OF FMDU

It is the aim to develop the medical education programme in the Faculty of Medicine Diponegoro University (FMDU) especially in biomedical sciences, human genetics and advanced biotechnology, including upgrading both human resources (academic staff) and facilities.

There are other fields that will be considered for further cooperation between institutes:

- Oncology (paediatric oncology, surgery of malignant tumors, increasing compliance in leukaemia patients, stress during medical procedures, rehabilitation of cancer patients and compliance and information to adult cancer patients),
- Mental health (dementia, depression, anxiety, alcoholism, mobile health in the context of the community and culture and behavioural problems in children and prevention),
- Public health (quality of life and health status in poor people, epidemiology of youth and health, healthy ageing),
- Cardiovascular,
- Infectious disease.

a) Upgrading of academic staff

Academic staff of the FMDU, including National Diponegoro Hospital and Dokter Kariadi Hospital, can be trained for short period courses, or upgraded for MSc or PhD levels, in biomedical sciences, human genetics, advanced biotechnology as well as clinical fields.

b) Upgrading of facilities

Education and curricula for under- and postgraduate students of FMDU should be improved towards international standards by joint teaching and research.

ACTIVITIES WITHIN THE COOPERATION FMDU / VUmc

1. STAFF DEVELOPMENT THROUGH JOINT RESEARCH

- a. Joint research and visiting lecture in Medical Genetics has started in 2007 especially for S2 students. It will be continued mainly in the field of genetics of connective tissue disorders, collagen diseases, cancer and healthy ageing.
- b. Joint research/supervision for PhD degree and visiting lecture on other fields will also be initiated (as done in the past with PhDs graduated from the VU in endocrine, neurology and surgery).
- c. Training of laboratory staff members will be done in Amsterdam. The aim of this training is to transfer biomedical techniques to technicians, MSc students, and PhD candidates.
- d. Intellectual Property and publication of research outcomes: see agreements made in the MoU.

2. EXCHANGE OF ACADEMIC STAFF AND STUDENTS

In the framework of the cooperation, teaching staff will visit the sister institution during working visits.

Student exchanges will be implemented at different levels:

- **S1** students from both universities can spend short visits (1-2 months) for learning either community medicine or clinical experiences.
- **S2 (Master Programme)**
 - Students of Biomedical Science majoring on Genetic Counselling can perform a traineeship of 6-12 months, thereby gaining laboratory and clinical experience in medical genetics. For international traineeships, the travel and living costs will be covered by FMDU through fellowships from the Ministry of National Education Republic of Indonesia or other resources. Research projects can also be proposed by their supervisors in VUmc. Diploma certificates containing information of the supervisors and the research projects will be provided.

