



Capacity development and strengthening for energy policy formulation
and implementation of sustainable energy projects in Indonesia

First Technical Working Group VI meeting

First visit of Eindhoven, University of Technology to Universitas Cendrawasih



Faculty of Technology, UNCEN

Venue: Sultan hotel, Jakarta and
Universitas Cendrawasih, Waena (Province of West Papua)

By Eindhoven, University of Technology:
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Final report: January 2010

1. Introduction activities

Mr. van Schijndel and Ms. Wijnker travelled during the period of 28th of November to 9th of December 2009 to Indonesia for participation in and execution of several activities as part of the CASINDO project.

During this period following activities were executed:

1. Technical Working Group (TWG) VI meeting (30th November)
2. Meetings at UNCEN, Waena, West-Papua (5th and 7th of December)

The kick-off meeting of the CASINDO project was organized at 30th November. Furthermore, the yearly Energy Working Group meeting was organized 1st-3rd of December by Agency NL and the Indonesian government.

This report includes objectives, results and conclusions of the activities organized (partly) by TU/e, namely the TWG VI meeting and the meetings at UNCEN.

2.Objectives and Results

2.1 TWG meeting

In these meeting representatives of all universities participated, except for USU.

2.1.1 Objective of this meeting

- To discuss progress of the education and research program at each of the universities
- To discuss all issues relevant to the universities and exchange information on progress, planning, procedures etc.
- To make decisions on;
 - Proposal on planning and set-up of training of Indonesian lecturers in Eindhoven, in 2010 (see annex)
 - Proposal of procedure and planning of demonstration equipment (made by Patrick)
 - Involvement SMK's in knowledge valorization workshops

2.1.2 Results

Each of the universities will determine which demonstration equipment will be bought. The procedure for purchasing this equipment was proposed by TU/e and explained during this meeting. The complete process will take from now until the end of August.

The selected SMK's (participating already in the CASINDO project) will be invited for knowledge valorization workshops at the local universities, to improve the relationship between universities and SMK's in this field.

A schedule was made and presented for training of 6 lecturers of each of the universities at the TU in Eindhoven. The Indonesian universities will comment on this schedule as soon as possible.

Students/lecturers wanting to execute a M.Sc. program in the Netherlands can already start their application even though the procedure for group application at Neso has not yet been started.

The role of Mr. Tatang, advisor to the universities within this project and bio-fuel expert at ITB, was explained. He will assist during the procedure of purchasing equipment, but also in setting-up research or gathering material for educational purposes he can provide assistance to the universities. If the universities are in need of assistance, it is their own responsibility to pose questions to Mr. Tatang.

A proposal was made and presented on the method of visiting the Indonesian universities to give assistance in setting up their curriculum and research. The Indonesian universities gave some comments but agreed on this proposal.

2.2 Meeting and visit UNCEN

Jayapura was visited for four days of which two could be spent visiting UNCEN and having discussions with the CASINDO team of UNCEN.

2.2.1 Objectives

- To discuss the possibilities of development of an education and research program as part of the CASINDO project.
- To give insight in the role of the Eindhoven, University of Technology.
- To demonstrate the planning of the other universities and to estimate what would be possible for UNCEN.
- To define activities that UNCEN would like to execute in the course of the CASINDO project.
- To make a planning of these activities; when, resources and who will be involved.
- Make a planning for a next visit.

2.2.2 Additional information

UNCEN was visited twice. This was organized by Prof. Fatem, Dean of the faculty of Engineering. At Saturday an informal meeting was planned in which most of the involved staff members of the Faculty of Engineering presented themselves. Furthermore, a short tour through the laboratories was organized.

First impressions were very positive.

During the formal meeting at Monday 7th of December, three presentations were given:

1. On the situation of Papua, the University of Cendrawasih and the Faculty of Engineering and already some ideas for implementation in the CASINDO project, by Mrs. Endang of Mining Engineering
2. On the TU/e; education, research, co-operation with industry and involvement of TU/e in Indonesian Universities (by means of projects), by Mr. van Schijndel
3. Activities that can be organized during the CASINDO project, as part of co-operation between the universities, by Ms. Wijnker

2.2.3 Results

UNCEN will start-up the needs assessment, in which it will be determined whether (small-scale) industries and companies have a need for engineers specialized in sustainable energy technologies or energy efficiency.

As part of the fast-track UNCEN would like to organize two workshops; a general workshop on sustainable energy and a workshop on specifically biomass resources for energy generation. Tentative planning is April and October 2010.

UNCEN will determine whether there are several lecturers willing and able to obtain a training in the Netherlands in the period March-May.

UNCEN has already determined three fields of interest for research; ethanol from Sago (local palm plant growing in swamps), solar systems and micro-hydro.

3. Conclusions on the activities

- The TWG meeting was very useful because there are many topics that can be discussed with all universities at once. Furthermore, they can give input and learn from each other during these meetings.
- The education and research visits will also contribute to integration and learning from the other parties as the universities will be invited to visit each other and discuss their research and education also together.
- The role of Mr. Tatang was defined clearly and presented to the other universities, which makes it easier for them to contact him.
- A start has been made in the involvement of SMK's at the universities.
- The first meetings at UNCEN were very interesting and useful. The team of lecturers seems very capable and interested. They already have some experience in projects and policy on sustainable energy resources.
- UNCEN will make a start on the activities of WP 4. TU/e is planning to visit UNCEN again in a short while (most likely April for participation in the first workshop).
- Mr. Tatang is very interested in assisting UNCEN. He already has experience and knowledge on the situation of Papua.