



Indonesia

17 Mulawarman University Development Project

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The project's objectives were to develop human resources and promote studies and research in specialized fields by developing and improving facilities and equipment in the faculties of agriculture, forestry and science at Mulawarman University (UNMUL), which is located in East Kalimantan - a province with many tropical rainforests, and thereby contribute to the development and use of natural resources and to preservation of the environment in the region.

Loan Amount/Disbursed Amount: 3,062 million yen/2,796 million yen

Loan Agreement: December 1995

Terms and Conditions: Interest rate, 2.5%; Repayment period, 30 years (grace period, 10 years); General untied (consultant portion: partially untied)

Final Disbursement Date: December 2001

External Evaluator: Takako Haraguchi (Global Link Management, Ltd.)

Field Survey: June 2003



Evaluation Result

All project components, including the building construction, site development and procurement of equipment and related items for these faculties, as well as technical assistance involving the dispatch of experts on equipment selection, were implemented almost as planned. The project period and costs were also almost as planned. Although student numbers were lower than planned, a comparison of pre- and post-project levels (1994 and 2002, respectively) reveals that numbers in the faculty of agriculture have increased from 985 to 2,299 students, or 2.3 fold, and in the faculty of forestry from 798 students to 1,407, or 1.8 fold. Student numbers in the newly developed science faculty have reached 465 (in 2002), which is higher than the planned figure of 250 students. Both agriculture and forestry faculties are increasing one additional department, and numbers of cooperative research programs (with external facilities such as other universities) have also increased since 2000; project equipment has been utilized on nine research projects. For promoting the development and utilization of natural resources in tropical rainforests, social forestry programs employing project equipment are expected to express impact. In terms of environmental protection, it is anticipated that those students who have enrolled at UNMUL

since project completion will contribute to eco-friendly development once they graduate. There are no problems in the technical capacity, operation and maintenance system, or financial condition of UNMUL - the project's executing agency. However, there is slight cause for concern because although subsidies from the provincial government and tuition fees are covering some operation and management costs, the amounts are not sufficient to cover all costs. To address this, UNMUL is attempting to increase revenues by accepting commissions for research, etc. UNMUL is expected to formulate a comprehensive plan covering inter-faculty use of facilities and the use, operation and maintenance of equipment so as to encourage more efficient use of facilities and equipment.

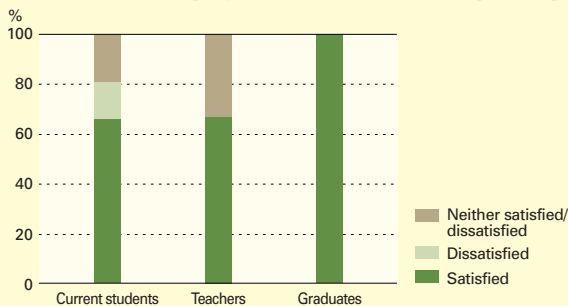
Third-Party Evaluator's Opinion

The project is relevant in developing a higher educational institute which takes on human resource development and research activities in East Kalimantan where is rich in natural resources.

Third-Party Evaluator: Ms. Armida Salsiah Alisjahbana

Obtained a doctorate in economics from University of Washington. Presently holds the post of Lecturer and Head of Center for Economics and Development Studies, Faculty of Economics, Padjadjaran University. Specializes in public finance, economic development, economics of education, and microeconomics.

Satisfaction with project facilities (beneficiary survey)



A beneficiary survey of teachers, current students and graduates from the faculties of agriculture, forestry and science was conducted to ascertain how satisfied they are with the facilities developed through this project; the survey found that approximately 70% of respondents are satisfied, with many stating that since the project was completed



An electron - microscope with TV monitor, Faculty of Forestry.



Students gather in the Faculty of Agriculture's Agribusiness Research Room (computer room) even during vacation.

they have been able to generate more results from their research and produce more accurate results from experiments. Teachers spend an average 15 hours and students 5 hours per week in the newly developed laboratories. Further, many teachers and students avail themselves of the project library at least once a week.