



Indonesia

10 Development Project of the Institute of Technology in Bandung (2)

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This project's objective was to improve the internal efficiency of education, make quantitative and qualitative improvements in education, and strengthen research activities, through the development of facilities and implementation of a fellowship program for faculty staffs at the Institute of Technology in Bandung (ITB), thereby contribute to industrial development in Indonesia by developing human resources and disseminating technologies.

Loan Amount/Disbursed Amount: 7,353 million yen/7,180 million yen

Loan Agreement: November 1994

Terms and Conditions: Interest rate 2.6%; Repayment period 30 years (grace period 10 years); General untied (consultant component: partially untied)

Final Disbursement Date: December 2002

Executing Agency: Directorate General of Higher Education, Ministry of Education and Culture



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

Field Survey: September 2004

Evaluation Result

In this project, construction of education and research buildings, equipment procurement, fellowship program for faculty staffs, technical assistance (curriculum development) and so on were conducted almost as planned. The project period was almost as planned and the project cost was lower than planned.

The average years to graduation for undergraduate students and that for master's degree students decreased from 6.3 years and 3.3 years in 1993 to 5.1 years and 2.6 years in 2003. The total number of postgraduates increased from 910 in 1993 to 3,375 in 2003, 1.7 times higher than the target figure of 2000. The proportion of lecturers with master's degrees and/or doctorates, which was 50% in 1994, exceeded the target 70% and reached 90% in 2003. It is considered that quantitative and qualitative improvements in education have been achieved. Research activities were strengthened as the number of research activities increased from 340 in 1993 to 434 in 2003, including joint projects and funded research involving close to 60 private companies. Some of the research results (petrochemical, software and so on) have been commercialized and are being utilized in society.

There is no problem with technical capacity of ITB, which is responsible for operation and maintenance. ITB was accredited as

a separate legal entity in 2000, and internal university systems are in transition. It will be necessary to monitor the operation and maintenance system after the completion of the transition process. Regarding finance, allocation of the operation and maintenance budget to individual faculties are insufficient, and the respective departments are making up budgetary shortfalls through their own efforts.

It is desired that ITB's administrative bureau monitor operation and maintenance status in each faculty and pass on successful operation and maintenance methods to other faculties.

Third-Party Evaluator's Opinion

This project provides students with an increased opportunity for advanced study in science and technology, thereby contribute to the development of human resources that will lead the development of each field.

Third-Party Evaluator: Ms. Ema Witoelar (international organization)

Obtained a master's degree in human ecology from the University of Indonesia. Presently holds the posts of UN Special Ambassador and Senior Adviser for UNDP. Former Minister of Settlement and Regional Development. Specializes in environmental studies.

Profile of the Institute of Technology in Bandung (ITB)

Located in Bandung, West Java, the Institute of Technology in Bandung (ITB), its predecessor was established in 1920, is one of the oldest universities in Indonesia and has the highest academic standard of science and engineering education in the country. It has produced numerous leading figures in both the public and private sectors, has provided refresher education for university teaching staff nationwide, has advised on national technology policy, and has played a key role in industrial development. ITB was ranked at 21 in a list of outstanding science and engineering universities in Asia published in the magazine Asia Week in 2000.



Lab. Tek. XI
(Earth Sciences and Mineral Technology, etc.)

Outcomes of research conducted using facilities and equipment developed through the project

Chemical Engineering Department, Faculty of Industrial Technology, and Design Department, Arts and Design Faculty developed engine oil and designed the container for it in commission from Indonesia Petroleum.

