



SCHOOL FOR RESOURCE AND
ENVIRONMENTAL STUDIES

DALHOUSIE UNIVERSITY

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HOTEL
BOROBUDUR

INTER-CONTINENTAL

JALAN LAPANGAN BANTENG SELATAN, JAKARTA, INDONESIA PO BOX 329

Dear George:

I thank you very much
for your kind help in
briefing me about Indonesia's
environmental problems and
in taking me to Minister
Emil Sahim's office. I
was also very happy to
meet Prof. Arthur Hanson.
I wish you much success
in the important work you
are doing.

I enclose for your
information a copy of a letter

I have written to Dr. Sahim.

With warm personal regards

Yours sincerely,

[M. S. Swaminathan]

M. George Greene



EMDI

**Environmental Management Development
in Indonesia**



George Greene, M.A.Sc.
Project Leader

**EMDI Project, Kantor Menteri Negara
Kependudukan dan Lingkungan Hidup
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HOTEL
BOROBUDUR
INTER-CONTINENTAL



MESSAGE

T O MR. DR. SWAMINATHAN ROOM _____
DATE 14 MARCH 1989 TIME 18:00

DURING YOUR ABSENCE

MR. GEORGE GREENE
FROM EMDI PROJECT TEL 771-742(R)
MINISTRY POPULATION + ENVIRONMENT 380-7566 (O)

CALLED BY TEL		PLEASE CALL	
CAME TO SEE YOU	✓	WILL RETURN	
WANTS TO SEE YOU		URGENT	

MESSAGE MEETING IS ARRANGED FOR YOU
WITH MINISTER EMIL SALIM WEDNESDAY
MARCH 15 AT 9:00 AT MINISTRY OFFICE
JL. MERDEKA BARAT 15, 3RD FLOOR.
I WOULD BE HAPPY TO MEET YOU FOR
BREAKFAST TO BRIEF YOU ON MINISTRY
PRIOR TO YOUR MEETING. SINCERELY

RECEIVED BY
GEORGE GREENE, COMMISSION ON
SUSTAINABLE DEVELOPMENT

HOTEL
BOROBUDUR
INTER-CONTINENTAL



MESSAGE

T O MR. SWAMINATHAN ROOM _____
DATE 14 MARCH 1989 TIME 18:00

DURING YOUR ABSENCE

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FROM EMDI PROJECT TEL 771-742(R)
MINISTRY POPULATION + ENVIRONMENT 380-7566(O)

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RECEIVED BY

GEORGE GREENE COMMISSIONER

EMDI



Project supported by CIDA,
the Canadian International
Development Agency



ENVIRONMENTAL MANAGEMENT DEVELOPMENT IN INDONESIA (EMDI)



EMDI is designed to upgrade environmental management capabilities through institutional strengthening and human resource development.

The Project began in 1983 as a cooperative effort implemented by the Ministry of State for Population and Environment (KLH) and the School for Resource and Environmental Studies of Dalhousie University. CIDA contributed CDN \$2.5 million under the first phase, called Environmental Manpower Development in Indonesia. Under the second phase (1986-1989), with the broader title of Environmental Management Development in Indonesia, CIDA has contributed CDN\$6.7 million. Significant contributions, direct and in kind, have been made by KLH and Dalhousie University.

Under EMDI, emphasis is placed on environmental impact assessment, environmental information systems, environmental law, publications development, and literature transfer. In addition, EMDI provides fellowships for Indonesian students to study environmental-related disciplines at Canadian universities. Other aspects which receive specific attention under EMDI are hazardous waste management, regional spatial planning, ecosystems management, and public awareness and education. EMDI also works to strengthen the involvement of non-government organizations (NGOs) and university-based environmental study centres in environmental decision-making. Further, the establishment of linkages between Canadian and Indonesian institutions is encouraged.

The goal of the Government of Indonesia is to make environmental management, including its social and cultural aspects, an integral component of all development decision-making in Indonesia. Specifically, it seeks to ensure that *REPELITA V*, the fifth five-year development plan (1989/90-1995/96), will result in development at both the national and regional levels which recognizes the environmental, social, and cultural needs of all Indonesians.

COMPONENTS are described below:

1. Hazardous Substance Management

As a means of assisting with the development of a management framework, and the drafting of regulations and guidelines for hazardous substances and hazardous wastes, EMDI has

enabled Canadian advisors to work as resource persons at KLH, and has organized a technical mission to Canada for two members of the KLH staff. An internship is also planned.

2. Regional Spatial Planning

Regional spatial planning, based on environmental criteria, is required for urban, industrial and rural environments. Short term advisors, internships, a fellowship for a

Ministry staff member, and work with geo-referenced information and mapping systems all serve to upgrade this capability in the Ministry with EMDI support.

3. Environmental Quality Standards

In order to enhance KLH's capabilities in ecosystem management, Canadian advisors have been assigned to work with Ministry staff in Jakarta. The first advisor analyzed and projected Indonesia's energy demands and their associated

environmental implications. Canadian advisors are also working with Ministry staff to develop national and region-specific environmental quality standards appropriate to Indonesia.

4. Environmental Impact Analysis

The Government of Indonesia, through KLH, requires environmental impact analyses (*analisis dampak lingkungan*, or *AMDAL*) of new and existing development projects and sectors. Under EMDI, a number of long- and short-term advisors have been made available to the

Ministry, sectoral departments and the private environmental consulting network. Internships have been provided as has assistance with the preparation of specialized AMDAL materials. In addition, social impact assessment is supported.

5. Environmental Information Systems

Environmental management is dependent upon appropriate and accurate environmental information. In order for KLH to increase its capabilities in environmental information systems, EMDI supports the strengthening of information management and library capabilities in the Ministry and provides CUSO information advisors in certain of the university-based environmental study centres. Regional

information systems are supported, as are the development of the Ministry's environmental data bases and an information network within the Ministry itself and with the Central Bureau of Statistics. This component also provides fellowships for study in Canada by Ministry staff members and funds the acquisition of specified micro-computer hardware and software.

6. Environmental Law

Effective environmental management requires a solid legal and regulatory framework to support it. To assist with the training of lawyers in Indonesia, EMDI provides 9 fellowships in environmental law at Canadian universities for young law faculty. In addition, EMDI has

made assistance available for the production of specialist environmental law readers and supports workshops and exchanges in such subject areas as environmental mediation and environmental law curriculum development.

7. Environmental Education and Awareness

The extension of environmental education and awareness to all sectors of Indonesian society is considered an important factor by the Ministry. EMDI assists with this process by strengthening the abilities of NGOs to collect useful information in order to provide constructive input to govern-

ment decision-making processes. Exchanges between Indonesian and Canadian NGOs have also taken place. Most of this activity is carried out through WALHI, the Indonesian national umbrella organization for environmental NGOs.

8. Environmental Study Centres and University Linkages

Under EMDI, fellowship support has been made available to 17 promising young Indonesian students for graduate study in environmental fields at Canadian universities. These carefully selected students include faculty members and government officials who will return to their institutions on the completion of their degrees. This component also provides an opportunity for junior Canadian environmental scientists to assist with the

enhancement of research and technical skills at designated environmental study centres in Indonesia. In addition, CUSO advisors are placed in several environmental study centres to assist with the development of the scientific and information capabilities of study centre staff and students. Three Indonesian-Canadian university linkages fostered under EMDI are intended to lead to formal twinning arrangements.

9. Technical Advisory Group

From time to time, the Minister of KLH, or his senior advisors request specialist assistance at a senior level in various areas of policy development related to planning for *REPELITA V*, or donor agency funding initia-

tives with an environmental focus. This component provides the means to respond to such requests through the provision of appropriate senior Canadian advisors.

10. Publication Development and International Literature Transfer

An active publications program is part of the EMDI Project. This has included support for *The Ecology of Indonesia Series* of Gajah Mada University Press, and the environmental management journal of the study centre at Universitas Indonesia, *Lingkungan dan Pembangunan* [Environment & Development]. Further, the

translation of selected environmental management documents into the Indonesian language is encouraged. In Canada, the project publishes the *EMDI Newsletter*, and has produced several volumes of conference proceedings. The Asia Collection is funded under this component.

Ecology of Indonesia Series

An important contribution to the field of ecology is the Gadjah Mada University Press series, *The Ecology of Indonesia*. Supported by the EMDI Project, the series currently comprises *The Ecology of Sumatra* by Anthony J. Whitten, Sengli J. Damanik, Jazanul Anwar and Nazaruddin Hisyam (1984) and *The Ecology of Sulawesi* by Anthony J. Whitten, Muslimin Mustafa and Gregory S. Henderson (1987). Both titles are available in Indonesian. A third volume, *The Ecology of Kalimantan*, is in preparation.

These books are available in North America from Sinauer Associates, Sunderland, Massachusetts, U.S.A. 01375, and in Europe from Foris Publications Holland, P. O. Box 509, 3300 AM, Dordrecht, Netherlands. In Indonesia, they may be purchased in bookstores or directly from Gadjah Mada University Press, Yogyakarta.

Other EMDI Publications

The EMDI Project supports a publications program in Canada as well as Indonesia. The *EMDI Newsletter* is published in Halifax, as are other works related to project activities. Complimentary copies of EMDI publications are available from the Asia Collection. Recent titles include:

*Coastal Zone Management in the
Strait of Malacca*

Environmental Law in Canada and Indonesia

Local Resource Management

Asia Collection

This special collection, currently funded through EMDI, is expected to number about 10,000 items by 1989. Housed at the School for Resource and Environmental Studies, it covers a wide range of resource and environmental subjects on Indonesia and other countries in the region. The collection is accessible to researchers, scholars, and consultants, and an information retrieval service is provided for persons in both Indonesia and Canada. Microfiche copies of the Asia Collection catalogue are available upon request.

For further information about the Asia Collection, please contact:

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Researchers in Indonesia are welcome to contact EMDI Project staff in Jakarta who will relay requests to the Asia Collection.



**For further information about
the EMDI Project, please
contact**

in Indonesia

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