

PROJECT ON CAPACITY BUILDING FOR RESTORATION OF ECOSYSTEMS IN CONSERVATION AREAS



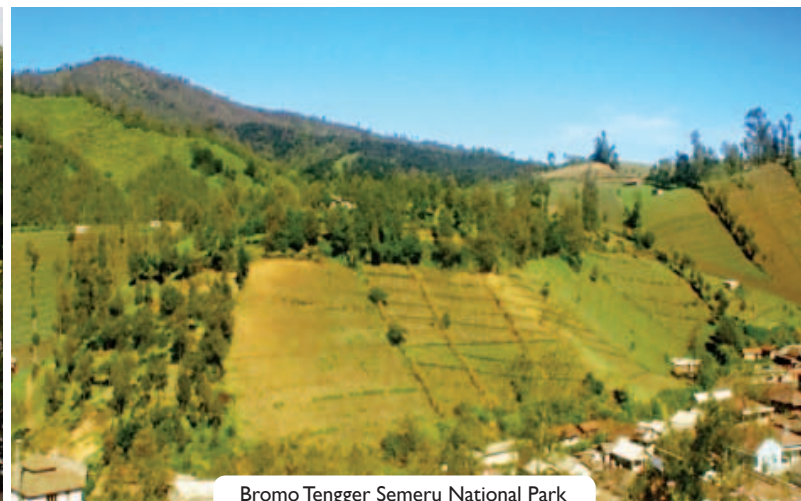
Gunung Merapi National Park



Gunung Ciremai National Park



Sembilang National Park



Bromo Tengger Semeru National Park



Manupeu Tanah Daru National Park



**KEMENTERIAN KEHUTANAN (MINISTRY OF FORESTRY)
JAPAN INTERNATIONAL COOPERATION AGENCY**

Gedung Manggala Wanabakti, Blok IV/ Lantai 6, Ruang B 617

Jl. Jend. Gatot Subroto, Jakarta 10270 – INDONESIA

<http://www.jica.go.jp/project/indonesian/indonesia/008/index.html>



BACKGROUND

Conservation areas reach about 12% of the total forests in Indonesia, and the total area of National Parks is 60% of the conservation areas. Many National Parks face the problem of ecosystem degradation. Indonesian Ministry of Forestry and the Japan International Cooperation Agency (JICA) are conducting a technical cooperation for ecosystem restoration in conservation areas, especially in National Parks.

Project Goal

Strengthening the capacity of the parties to restore degraded land in conservation areas.

Period

March 2010 - March 2015 (5 years)

Executing Agencies

General Directorate of Forest Protection and Nature Conservation (PHKA), Ministry of Forestry

Supporting Agencies

Japan International Cooperation Agency (JICA)

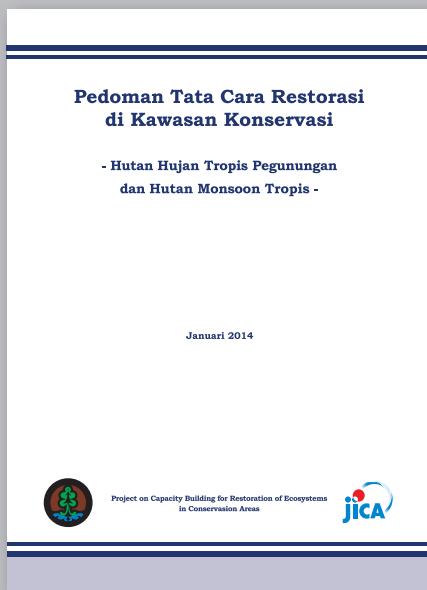
Outputs

Jakarta Head Office

- i. Guidelines for Restoration Procedures in Conservation Areas
- ii. Technical Guide of Restoration in Conservation Areas
- iii. Field Guide Book for Species of Restoration Plants

Project Sites in 5 National Parks

1. Increasing the capacity of stakeholders in restoration activities.
2. Increasing various techniques to support restoration activities.



- i. Guidelines for Restoration Procedures in Conservation Areas



- iii. Field Guide Book for Species of Restoration Plants

- ii. Technical Guide of Restoration in Conservation Areas

ACTIVITIES IN 5 NATIONAL PARKS

A. BROMO TENGGER SEMERU NATIONAL PARK

Trial Area : Ranu Panu lake and the surrounding area
Total Area : 100 ha
Ecosystem : Mountainous Tropical Rainforest



Removal of Invasive Alien Species (Salvinia)



How to carry seedlings



One of the trainings in Bromo Tengger Semeru National Park



How to make compost



Training for forest fire control



B. SEMBILANG NATIONAL PARK

Trial Area : Mangrove ecosystem has been degraded by fishing pond development
Total Area : 200 ha
Ecosystem : Mangrove



A bridge to a work-house as a solution when water subsides



Mangrove trees



A training with National Park staffs



Nursery



Identifying Species of Mangrove Trees

C. GUNUNG CIREMAI NATIONAL PARK

- Trial area : Three trial areas which have ecosystems have been degraded by forest fires, volcanic eruptions, and encroachment.
- Total area : Karang Sari 10 ha, Seda 5 ha, Lambosir 60 ha (JICA 10 ha and PT. Yamaha Musik Indonesia 50 ha)
- Ecosystem : Mountaniuos Tropical Rainforest



The Planting Ceremony with Yamaha Musik Indonesia in Lambosir



Mulching with weeds



Nursery



System of Line Planting



System of Group planting with fencing to protect from animal disturbance



D. GUNUNG MERAPI NATIONAL PARK

- Trial Area : Ecosystem has been degraded by sand mining, volcanic eruption, and invasive species.
- Total Area : Ngablak village, Magelang Region 40 ha and Mryan village Boyolali Region 20 ha.
- Ecosystem : Mountainous Tropical Rainforest



Preparation of media for planting from sand



Planting



Nursery Treatment



Community Socialization in Myrian village



Handling Invasive alien species *Accacia Decurrens* using organic Herbicide

E. MANUPEU TANAH DARU NATIONAL PARK

Trial Area : Ecosystem has been degraded by forest fires and grazing.
Total Area : 87 ha
Ecosystem : Lowland Tropical Monsoon Forest



Training of how to transplant seedlings by Short-Term Expert Mr. Okabe



Watering for Nursery



Bio fences in restoration areas to prevent cows and buffalos' interference



Nursery



Mulching using TAKARRULIK



COLLABORATION

To improve trial restoration activities, JICA-RECA has worked with several stakeholders from government, private companies, universities, and international organizations, as follow :

LIPI Biological Research Centre	Identifying Species of Restoration Plants, Compiling Guide Books, Making Herbarium, and Trainings for Plants Identification & Photo Taking.	5 NATIONAL PARKS
Research and Development Centre for Natural Resource Conservation and Rehabilitation, Ministry of Forestry	Sharing information	JICA-RECA
Yamaguchi University and Udayana University	Sharing information	JICA-RECA
PT. Yamaha Music Indonesia	Financial Support for restoration	TNGC
Sumitomo Forestry Co., Ltd.	Sharing information Forest fire control	TNGM TNBTS
MSIG (Mitsui Sumitomo Insurance Group)	Financial Support for restoration	TNGM
PT. TS TECH Indonesia	Financial Support for restoration	TNGM
REKI (Indonesia Ecosystem Restoration)	Sharing information	4 NATIONAL PARKS

General Directorate of Forest Protection and Nature Conservation

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Telp./Fax (0341) 491828 / 490885

Sembilang National Park Office

Jl. AMD Kel. Talang Jambe Kec. Sukarame, Palembang-30152
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Gunung Ciremai National Park Office

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Gunung Merapi National Park Office

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Manupeu Tanah Daru National Park Office

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*Pelestarian Jenis Tumbuhan Asli dan
Peningkatan Peranan Masyarakat Lokal*

