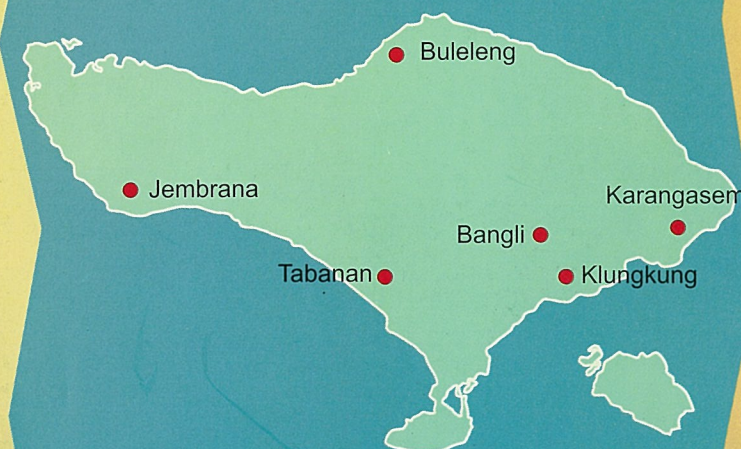


INTENDED SITUATION AFTER PROJECT COMPLETION

When completed up to 2500 ha of new plantation of indigenous species would be established in Bali. This would provide significant volume of timber resources for the local demand, providing approximately 1,1 million trees or equivalent to 47, 120 m³. Although harvesting may not take place in the next 10 years, the successful establishment of the plantation would no doubt encourage people to establish similar plantations. As it is in the culture of Balinese that planting and tending trees is part of their customary practices. Modernization due to tourism development has somehow shifted the cultural value to something of immediate needs. The plantation would hopefully restore the traditional value of planting trees.

Aside from improving the shortage of raw materials for local industry, the plantation would also eventually improve the quality of the environment. Deforestation has brought about severe drought and floods in many part of Indonesia. This could also take place in Bali if reforestation of degraded land fails.

**The activities of ITTO project
are implemented
in 6 Districts across Bali**



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**TECHNOLOGICAL DEVELOPMENT
FOR THE PRODUCTION OF PLANTING MATERIALS
TO SUPPORT SUSTAINABLE PLANTATION OF
BALI INDIGENOUS SPECIES
THROUGH COMMUNITY PARTICIPATION**

PD 386/05 Rev.1 (F)



THE PROJECT

This ITTO Project is designed to support the planting program of the Provincial Government of Bali. The project is designed to develop appropriate technology for production of planting materials and establish plantation of 2500 Ha using Bali indigenous species through community participation. The indigenous species selected are *Xanthoxylum rhetsa*, *Manilkara kauki*, *Alstonia scholaris*, *Wrightia pubescens*, *Dysoxylum*, sp, and *Planchonia*, sp. The selected species are of significant economic value because they are used as raw materials for various handicraft and carving product in Bali. The project is mainly targeting community participation through their involvement in production of planting materials, training, and developing appropriate agroforestry model.

Provincial Forestry Service of Bali is the executing agency of this project in collaboration with the Regional Tree Seed Centre for Bali and Nusa Tenggara. The project is operational for 36 (thirty six) months, commencing from May 1st, 2006. The activities of the project are implemented in 6 Districts across Bali, namely Districts of Bangli, Buleleng, Jembrana, Karangasem, Klungkung, and Tabanan.

OBJECTIVES

The project has the following objectives:

- Developing suitable technology for production of high quality planting materials.
- Establish plantation of 2500 ha in collaboration with the local forestry service.

OUTPUTS

1. Suitable propagation technology for selected species developed;
2. Seed orchards well maintained;
3. Technical guidelines developed and disseminated;
4. Forest land use updated;
5. Planting materials produced and distributed;
6. Technical assistance for establishment and maintenance of 2500 Ha plantation developed;
7. Agroforestry model introduced;
8. Monitoring system developed and applied.

PARTICIPATING ORGANIZATION

University of Udayana, University of Gajah Mada, Centre for Forest Biotechnology and Tree Improvement of FORDA, Forestry Districts

ACTIVITIES

The activities of the Project are as follows:

1. Identification seed source and seed collection of 6 species also recording geographical position of the seed source using GPS by Regional Tree Seed Centre for Bali and Nusa Tenggara;

2.



3.



4.

Consultation with local communities to socialize the programme and to recruit them to involve in the project.

5.

Training and study tour for farmer leaders to socialize agroforestry model;



Further development of propagation techniques (Seed quality testing, cutting, tissue culture) and continuing with activity of field trial genetic materials and site manipulation;

Establishment, maintenance and assessment of seed orchard and demonstration plot of 6 species (*A.scholaris*, *Planchonia*, sp, *Dysoxylum*, sp, *X.rhetsa*, *W.pubescens*, and *M.kauki*), 201 Ha at Sumber Klampok, Buleleng District;



6.

Establishment of 1,100.000 planting materials for distribute to participating communities at 6 districts across Bali, namely, Bangli, Buleleng, Jembrana, Karangasem, Klungkung, and Tabanan Districts, for establishing 2.500 ha plantation;

