ACTIVITY DOCUMENT

Submitted by the Government of Indonesia

Title Ensuring Genetic Diversity of Ramin Seed Sources and Ramin Population from Rooted Cuttings

Summary

Artificial plantation of *Gonystylus bancanus* in Indonesia has started using wildlings and rooted cuttings. Since the sources of materials are limited from relatively small population size, ensuring their sufficient genetic diversity is of critical importance. Several approaches need to be taken to improve and enrich the diversity. In addition, information on population of non-*Gonystylus bancanus* (species of *Gonystylus* other than G. *bancanus*) remains insufficient.

The main objective of the Activity is to contribute to the conservation and plantation of ramin using wildlings and rooted cuttings in Sumatra and Kalimantan through genetic analyses and infusion of genetic materials to ramin cuttings. The expected outputs are (i) early detection of genetic variation of ramin in the conservation gardens at OKI, South Sumatra and Tumbangnusa, Central Kalimantan; (ii) genetic infusion to ramin cuttings in the conservation gardens at OKI and Tumbangnusa; and (iii) exploration and ex situ conservation of non-Gonystylus bancanus species in Sumatra and Kalimantan.

Executing Agency

Forestry Research and Development Agency (FORDA) Manggala WB, XI fl, Jakarta, Indonesia.

Implementing Agency

Center for Biotechnology and Tree Improvement, Jalan Palagan TP, km 12, Yogyakarta, Indonesia.

Duration 12 months.