

# ITTO CITES PHASE — II 2015

# REPORT

Workshop-Expose on Project Findings of Activities: “Ensuring Genetic Diversity of Ramin Seed Sources and Ramin Population from Rooted Cuttings and Establishment of an Integrated Agarwood Cluster in Bintan Island, Indonesia”



Ministry of Environment and Forestry  
Forestry Research Development and Innovation Agency  
Center for Forest Biotechnology and Tree Improvement Research and Development  
Yogyakarta  
Forest Research and Development Center Bogor  
In cooperation with  
INTERNATIONAL TROPICAL TIMBER ORGANIZATION-CITES  
Yogyakarta-Indonesia  
2016





# ITTO-CITES Phase II 2015

## REPORT

**Workshop-Expose on Project Findings of Activities: “Ensuring Genetic Diversity of Ramin Seed Sources and Ramin Population from Rooted Cuttings and Establishment of an Integrated Agarwood Cluster in Bintan Island, Indonesia”**



Ministry of Environment and Forestry  
Forestry Research Development and Innovation Agency  
Center for Forest Biotechnology and Tree Improvement Research and Development  
Yogyakarta  
Forest Research and Development Center Bogor

In cooperation with

INTERNATIONAL TROPICAL TIMBER ORGANIZATION-CITES

Yogyakarta-Indonesia  
2016



**ITTO-CITES (Phase II-CFBTIR)  
2015**

**Workshop-Expose on Project Findings of Activities: “Ensuring Genetic Diversity of Ramin Seed Sources and Ramin Population from Rooted Cuttings and Establishment of an Integrated Agarwood Cluster in Bintan Island, Indonesia”**

Twin Plaza Hotel, Jakarta 22 March 2016

Center for Forest Biotechnology and Tree Improvement Research and Development  
Yogyakarta. Jalan Palagan Tentara Pelajar, Km 15.Purwobinangun, Pakem,  
Yogyakarta. 55582. Phone: +62274 895954. Fax: +62-274 896080.  
Email: ramgaryogya@gmail.com

Forest Research and Development Center (FRDC) Bogor.  
Jl. Gunung Batu no. 5. Bogor.  
Phone: +62-251-8633-234  
Fax: +62-251-8638-111  
Email: ittocites.gaharu@gmail.com

---

This work was made possible by a grant from ITTO under its collaborative program with CITES “Support to ITTO CITES Implementation for Tree Species and Trade/Market Transparency (TMT). Donors to this collaboratives program include the EU(primary donor), the USA, Germany, the Netherlands and Norway.The Activity was implemented by Center for Forest Biotechnology and Tree Improvement Research and Development with Center for Forest Research and Development as Collaborating Agency.

---

## **Introduction**

The activity had been carried out on 22 March 2016 in Twin Plaza Hotel, Jakarta, Indonesia. On this occasion, there have been invited, Officials of the Ministry of Environment and Forestry, Jakarta, Forest Research Institute in South Sumatera, Officials of the Central Bangka Province, National Experts and Research Assistants.

Beginning with the Remark forwarded by Team Leader of the Activity of ITTO-CITES (Phase II-CFBTIR) Yogyakarta (M. Charomaini), the agenda was proceeded with remark and opening by Head of the Agency for Forestry Research, Development and Innovation, represented by the Director of CFBTIR Yogyakarta, Dr. MAHFUDZ,MP. Afterward, the National Experts (NE) and Research Assisstant (RA) were welcomed to present their activity findings on Ramin and Agarwood.

### **Presentation on Ramin activities:**

Explanation of an NE, Dr. Antonius YPBC Widyatmoko and an RA Tri Pamungkas Yudohartono of the CFBTIR Yogyakarta were about: 1) “Morphology and Genetic Variation on Ramin Cuttings in OKI Conservation Garden , South Sumatera” and 2) Genetic Variation of Hedged Orchard of Ramin at OKI, South Sumatera and Tumbangnusa, Central Kalimantan based on SSR Marker”, proceeded with title: “Exploration of non-*Gonystylus bancanus* in Sumatera and Kalimantan” by Ms. Marfuah Wardhani, MSc., from the Forest Research and Development Center, Bogor, followed by presentation entitled Exploration and Establishment of *ex situ* Conservation Plot of non-*G.bancanus* (*G. velutinus*) by NE, Liliek Haryjanto of CFBTIR Yogyakarta. Last presentation on Ramin activities was delivered by Ms Yelnititis,MSc., explaining about Collection of Wild Genetic Resources of Ramin from Sumatera and Kalimantan (include the production of rooted cuttings fo Sumatera and Kalimantan).

### **Presentation on Agarwood activities:**

On Agarwood activities, first presentation entitled “Disain Pembangunan Klaster Gaharu di Kabupaten Bangka Tengah (Design of Establishment on Agarwood Cluster in Central Bangka Province) was presented by Dr. Erdy Santoso and Maman Turjaman, DEA. Second presentation entitled: “Agarwood Market: Challenge and Opportunity” was presented by Tajudin E. K., MSc.; Dr Hariyatno Dwiprabowo and Agustinus Tampubolon, MSc.

The session was then followed by discussions and the formulation of the results of the workshop, delivered by Mr. Harisetiono, MSc. (Team leader of Agarwood activities). At the end part of the workshop, Vice Regent of Central Bangka Province would be welcome to support the sustainability of agarwood activities by providing budget from the Local Government budget of Central Bangka Regency.

## FORMULATION OF THE WORKSHOP RESULTS

By considering the speech of the Head of Agency for Forestry Research, Development and Innovation and the previous discussions, therefore formulation of the workshop was listed as the following:

1. Ramin and Agarwood are the two high economic valued forest commodities. Excessive utilization based on natural potency causing the rapid degradation of Ramin and Agarwood populations. Establishment of Ramin seed sources and development of propagation techniques will be expected to support the successful plantations in the future.
2. Genetic and morphology diversity of Ramin (*Gonystylus bancanus*) found 2 different varieties which were differentiated based on the leaf size and color. To be conserved, there have to be separated between *G. bancanus* with small leaves and of the big leaves of the South Sumatera.
3. Development of Ramin by utilizing hedged orchard and rooted cuttings could be implemented due to the high genetic diversity of the genetic materials.
4. To conserve Ramin, there will be better not to mix the genetic materials of Sumatera's ramin and Kalmantan's ramin in order to maintain their original genetic make-up.
5. The existence of non-*G. bancanus* (*Gonystylus* other than Ramin) populations had been degraded. Effort on conservation of *non-G. bancanus* should be carried out by approaching the genetic material of the species. Conservation effort is carried out by maintaining the existence of remaining natural parent trees and optimizing planting by utilizing wildlings. *G. velutinus* and *G. brunnescens* are the two species need to be conserved although they were found in the natural habitat yet.
6. Ramin development through mixture of provenance/ genetic would be better to produce "fancy wood". This choice is based on the economic value and slow growth characteristics of Ramin. Choosing of Ramin as a production plantations should not be the main objective. Therefore, the Agency for Forestry Research, Development and Innovation should recommend the development of Ramin and recommend to other Technical Directorates as well.
7. Agarwood cluster is a unit of integrated business model of agarwood production which is managed together by the stakeholders at the provincial/ regency state. Development of agarwood cluster is a total effort to compile an integrated strategy and design amongst plantings, management of products, and the marketing. The successful of agarwood cultivation will support the sustainability of agarwood potency.
8. Central Bangka Regency committed to establish agarwood cluster from the up to the down stream. At the initial phase, there has been stated that the model area of

agarwood cluster development would be about 40 ha. Each stakeholders, local government, SKPD and Forest Research and Development Center has committed to be as “Who work for what”.

9. The identified roles will cover several aspects as the following:

- a. Development of techniques on agarwood producing plants.
- b. Inoculation techniques.
- c. Harvesting technologies.
- d. Provision of supporting means.
- e. Preparation of Human Resources Capacity buildings.
- f. Research and Development.
- g. Institutional Strengthening.
- h. Development of business and investment.
- i. Development of marketing.
- j. Development of information system.

To accelerate the achievement of the direction and objective of the establishment of agarwood cluster, there is needed an effort to synergize all of the stakeholders in order to increase the efficiency and effectivity of the program implementation/ activities, therefore, there was needed a Coordinator/ “Commander”.

To promote the development of agarwood cluster in Central Bangka Regency, provider of investment is expected to utilize the investment funding scheme that has been programmed by Badan Layanan Umum (Agency for Public Service) of the Ministry of Environment and Forestry.

10. Marketing of agarwood product and its derivatives is a key strategy in the development of cultivated agarwood and enhancement of public business interest. It has to be considered that marketing of the cultivated agarwood products should be separated from that of the natural/ wild agarwood, depended on the market mechanism, not applying quota and no need to obtain a recommendation of marketing permit.
11. Forest Research and Development Center, Bogor has committed to support the development of Agarwood Cluster in Central Bangka Regency by submitting the patent of agarwood inoculant to public, by following the mechanism and applicable regulation.

Jakarta, 22 March 2016

Formulating Team,

1. Ir. M. Charomaini Z.
2. Dr. Antonius YPBC Widyatmoko
3. Dr. Erdy Santoso
4. Ir. Harisetijono, MSc.



Photo Session: Officials, Secretariat, Team Leaders, NEs and RAs



**Agency for Research, Development and Innovation  
Center for Biotechnology and Tree Improvement  
Research and Development**

**Jalan Palagan Tentara Km. 15, Purwobinangun  
Pakem, Sleman - Yogyakarta**

**Phone. + 62 – 274 – 895954**

**Fax: + 62 – 274 - 896080**

**Email: [ramgaryogya@gmail.com](mailto:ramgaryogya@gmail.com)**

