



International Cooperation in Forest Sector Science and Lessons Learned in Related Capacity Building Efforts in Indonesia

Dr. Wening Sri Wulandari

Director for Center for Standardization of Sustainable Forest Management Instrument
Agency for Standardization of Environment and Forestry Instrument
Ministry of Environment and Forestry, Republic of Indonesia

1913



Establishment of
the Forestry
Research Center.



Establishment of
Forest Research,
Development,
and Innovations
Agency (FORDA)



Agency for
Standardization of
Environment and
Forestry Instrument



Government's policy : Activities of
Research, Development &
Innovation are coordinated by
National Research and Innovation
Agency (BRIN)

2021

108 years



- Development of Standard Instrument ***based on science and research***
- ***Supported by 4 centers and 15 implementation units***

What have we reach

250 Innovations



Products

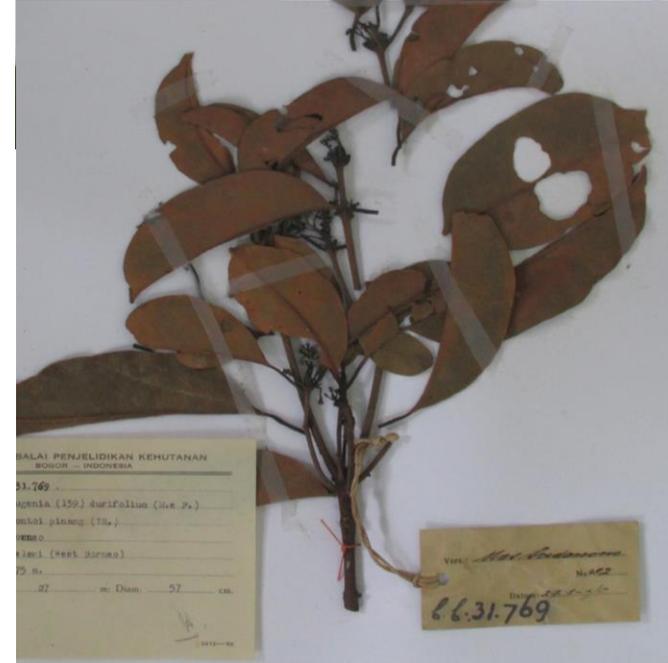
Bioenergy
Laminated bamboo

Process

Rehabilitation and restoration
techniques
Wood harvesting

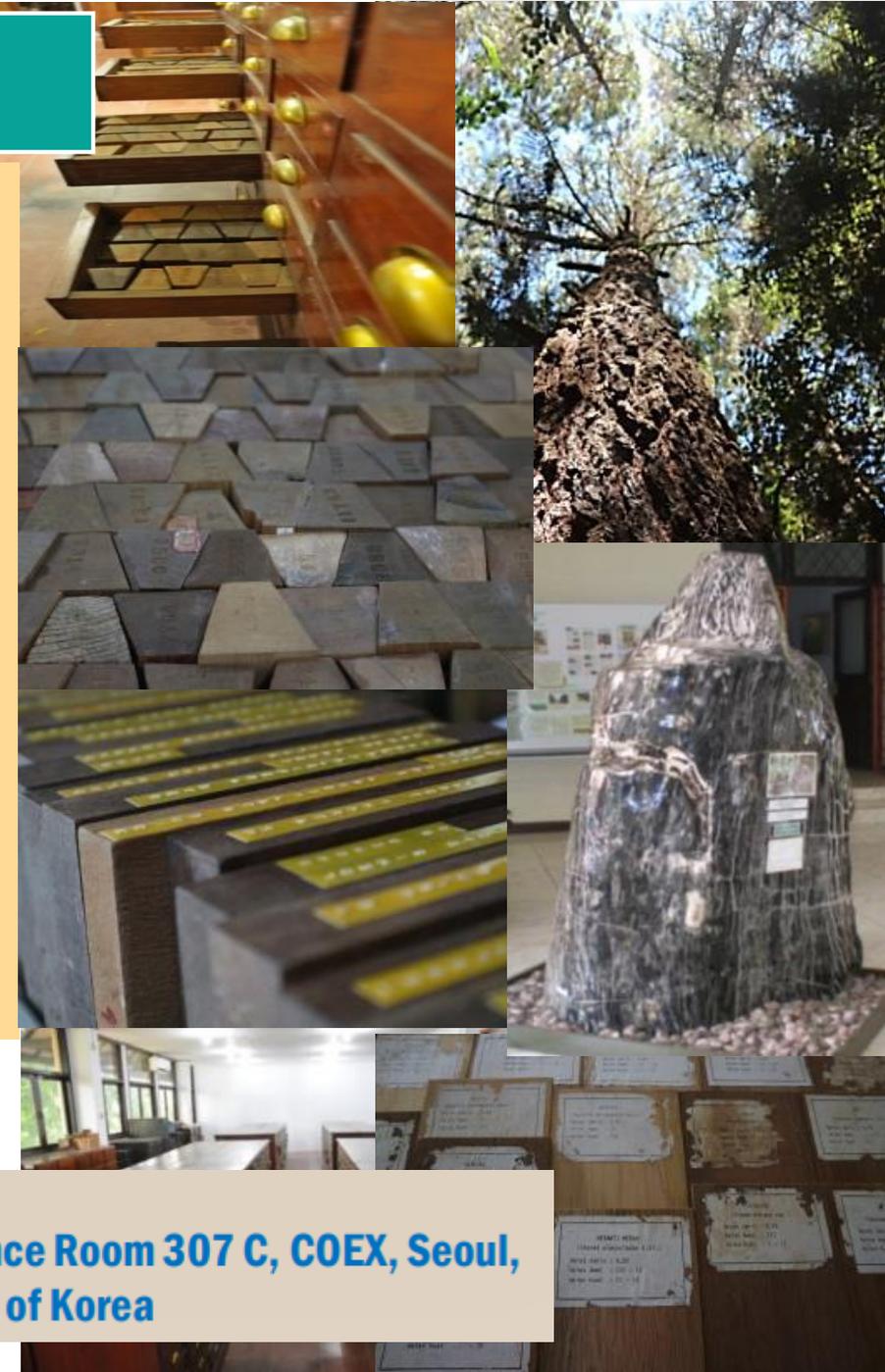
Forest Botanical Herbarium

- Forest Botanical Herbarium based on the Herbarium Index (Lanjouw and Stafleu, 1952), was founded in the Dutch Colonial era in 1917. Forest Botanical Herbarium collects the most complete forest plants in Indonesia.
- There is a collection of useful Indonesian plants collected by Heyne around 1926 as many as 3,435 species, 1,394 genera, 397 tribes. Heyne's collection consists of understory, rattan, bamboo and trees. Until 2022 there were 83,132 specimens, including 55,697 tree specimens and 27,435 non-tree specimens from forest areas throughout the Indonesia's archipelago.



Xylarium Bogoriense

- Indonesian xylotheque, established since 1914
- Has been registered at *Index Xylariorum Institutional Wood Collection* in 1957 (BZFW) and *Index Herbariorum Indonesianum* in 2006
- Xylarium Bogoriense No 1 in the World (184 Xylarium in 60 countries)
- 208.000 wood collections from almost all regions in Indonesia, comprises of 110 families, 785 genus, and 3,667 species; bamboo, rattan, fossil
- Wood authentic collection in the form of a trapezoid and woodblocks



Side Event

PROMOTING LEGAL TIMBER TRADE THROUGH DEVELOPING XYLARIUM NETWORKING AND INTEGRATED WOOD IDENTIFICATION SYSTEMS

Thursday, 5 May 2022*

9.30 – 11.00 am KST | 8.30 – 10.00 am CST | 2.30 – 4.00 am CEST | 7.30 – 9.00 am WIB

Venue:

Conference Room 307 C, COEX, Seoul, Republic of Korea

International Cooperation in Forest Sector Science in Indonesia

- Indonesia has 60 current international cooperation (as of Feb 2022) under the Ministry of Environment and Forestry Republic of Indonesia
- International Partners, such as:

- ✓ Asian Forest Cooperation Organization (AFoCO)
- ✓ Australia / ACIAR
- ✓ Japan / JICA
- ✓ Korea / KFS
- ✓ Asia-Pacific Network (APFnet)
- ✓ USAID
- ✓ Germany/ GIZ/ KfW
- ✓ GEF

- ✓ ITTO
- ✓ ADB
- ✓ ICRAF
- ✓ CIFOR
- ✓ FAO
- ✓ USFS
- ✓ USAID

ASEAN Regional Knowledge Network on Forest Products Development
 → Sharing information on Capacity Building, Standard, Knowledge



Some International Cooperation in Forest Sector Science and Related Capacity Building Efforts in Indonesia (on going)

Enhancing Community Based Commercial Forestry in Indonesia

Improving Community Fire Management and Peatland Restoration in Indonesia

Project of Capacity Development for Implementation of Climate Change Strategies Phase 2

Improving Capacities Towards Reducing Greenhouse Gas Emissions from Peat Swamps Forest Fire in Indonesia

Innovative Solutions for Climate Change and Biodiversity Landscape Strategy to Support SDGs in Indonesia (AFoCO)

Enhancing the Sustainable Management of Solid Waste and Resource Towards Circular and Low-Carbon Economy

Multistakeholders Forestry Programme Phase 4 (MFP-4)

Peatland Management and Rehabilitation / PROPEAT

Strengthening Forest Area Planning and Management in Kalimantan

Capacity Building on Forest and Land Fire Management in Indonesia

E-learning and Virtual Training Innovation Substitute Field School in order to National Economic Recovery
Protection of Mangrove Forest

Potential Collaboration



1) Development of Forest Standard Instruments Program : forest sustainability, environmental, and community welfare, in the utilization of natural and forest resources; Forest Product Utilization



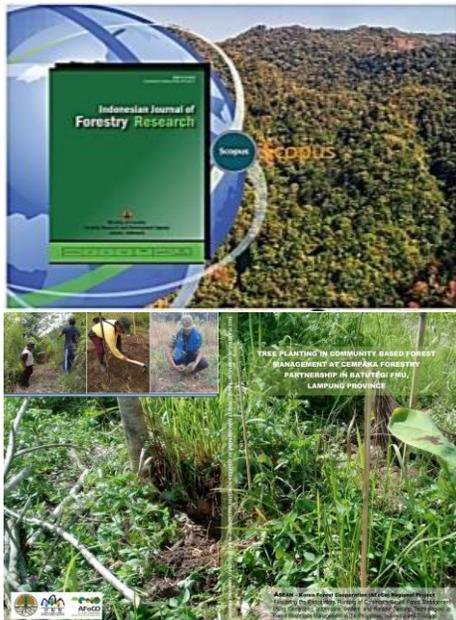
2) Capacity building, transfer knowledge : to increase capacity in develop standard Instrument, research, and community empowering.



3) Formulating standard instruments based on science
→ collaboration with MoEF and BRIN



4) Other forestry aspects
→ collaboration with directorate technic



Initiative : Study on Young Fast Grown Plantation Teak in ASEAN Region, Wood Properties Improvement Technology, and Developing New Grading for Wood Industries

Thank you

