

**Report of 3rd International Symposium of Long-term Forest
Monitoring Research in Asia:
“A research hub of long-term forest monitoring field centers
on environmental changes and ecosystem responses:
Collaborating for data, knowledge and young researchers”**



March 6 - 10, 2023

**Organized by
Faculty of Forestry, Universitas Gadjah Mada
&
The University of Tokyo Forests,
Graduate School of Agricultural and Life Sciences,
The University of Tokyo**

Submitted by Prof. Dr. Sri Rahayu, Local Coordinator Indonesia for JSPS C2C Programme

The University of Tokyo Forests has adopted the research exchange project for the Core-to-Core Program (B. Asia-Africa Science Platforms) by the Japan Society for the Promotion of Science FY2016 (1st period), FY2019 (2nd period). Due to the pandemics of COVID-19, our project lasted for 7 years. These projects were implemented in collaboration with core institutions in five and eight countries in the 1st and 2nd periods, respectively, which hold or manage university forests and research sites in different climate and vegetation zones of the Asian monsoon region. It aimed to promote the development of long-term research field stations for stable and continuous monitoring and to establish a multilateral research cooperation network between core institutions through close collaboration.

Faculty of Forestry Universitas Gadjah Mada (UGM) have been hosted The 3rd International Symposium of Long-term Forest Monitoring Research in Asia: "A research hub of long-term forest monitoring field centers on environmental changes and ecosystem responses: Collaborating for data, knowledge and young researchers" on March 6 - 10, 2023, conducted virtually and onsite (Hybrid). This symposium was the second time hosted by Faculty of Forestry UGM, which the first was held on March 12-13, 2022, conducted virtually, due to Covid pandemic situation.

The symposium has been successfully held at PORTA by The Ambarrukmo hotel, Yogyakarta, Indonesia. Totally 297 participants joined the symposium, with 227 participants joined online and 70 participants joined onsite. The onsite participants were from Japan (10 participants), Korea (11 participants), Thailand (6 participants), Taiwan (6 participants), Malaysia (7 participants), Sri Lanka (4 participants) and Indonesia (26 participants), while China was joined online. The symposium was 2 days either oral and poster presentation, and 3 days excursion.

The presentation was divided into 3 research groups (RG), i.e.: RG1 (Water & Climate), RG2 (Ecosystem & Biodiversity), RG3 (Sustainable Management), with 22, 23, 20 oral presenters respectively. The posters were exhibited 14 on site and 8 online. Regarding the topic of both oral and poster presentation, it is very challenging for young researchers to collaborate data and knowledge in the future.

In the closing ceremony of the symposium the committee selected the best three posters according to the number of voters. The best three posters were: 1. Wei-Ling CHEN (NTU), Taiwan, 2. Arina Damayanti (UGM), Indonesia and 3. Eva Lutfiana (UGM), Indonesia.

The 3 days Excursion including: Day 1. visiting Wanagama educational forest located in Gunungkidul regency with emphasis on long term clonal teak plot examination, water catchment management, cajeput and honey production. Day 2. Trip to Mount Merapi National Park in order to visit the natural water catchment of the mountain area and evaluate the *Acacia decurrens* as an invasive species after the Mount Merapi eruption. Day 3. Tour to Borobudur Temple and enjoy traditional culinary and local home industries, continued by a tour around Borobudur villages using VW Classic.

Documentations of the symposium were briefly presented below.

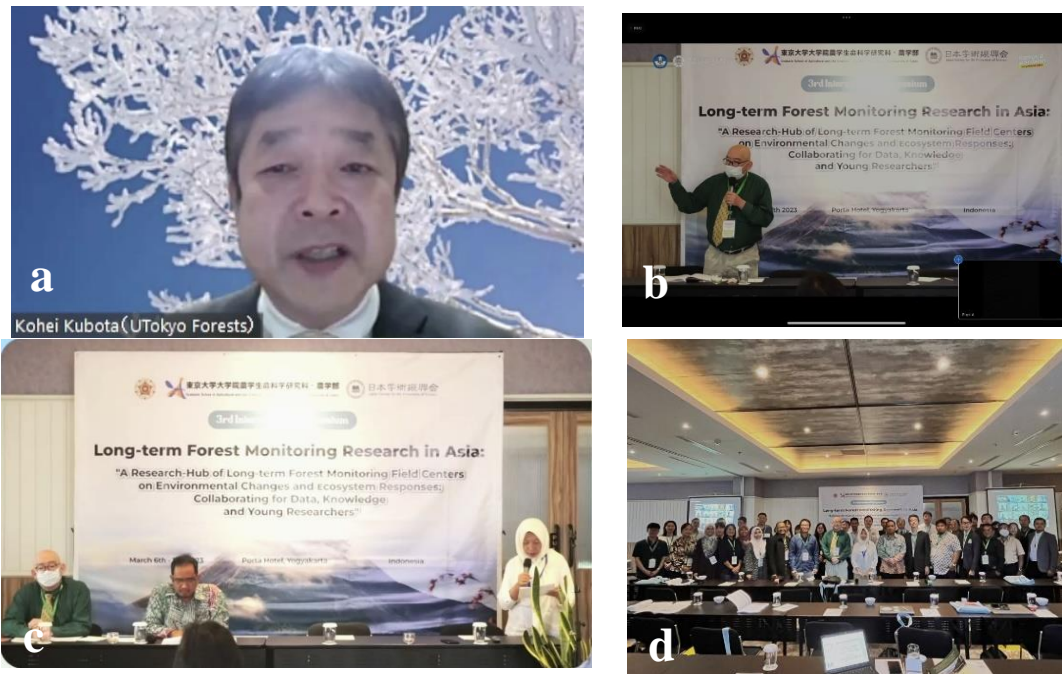


Figure 1. Opening Ceremony by a. Prof. Kubota as Director of the University Tokyo Forest, b. Prof. Naoto Kamata as C2C JSPS Project leader, c. Prof. Sri Rahayu as local Coordinator Indonesia, d. Group photo



Figure 2. Plenary session with 8 coordinator country from a. China (Prof. Zhiyiong Wang), b. Thailand (Dr. Kobsak Wanthongchai), c. Taiwan (Prof. Ming Jer Tsai), d. Korea (Prof. Hyun Seok Kim), e. Indonesia (Dr. Widiyatno), f. Malaysia (Prof. Mui-How Phua), g. Sri Lanka (Dr. G.G.T. Chandrathilake), h. Japan (Prof. Koichiro Kuraji).



Figure 3. Research Group Presentation session of a. RG1 (Water & Climate), b. RG2 (Ecosystem & Biodiversity), c. RG3 (Sustainable Management)

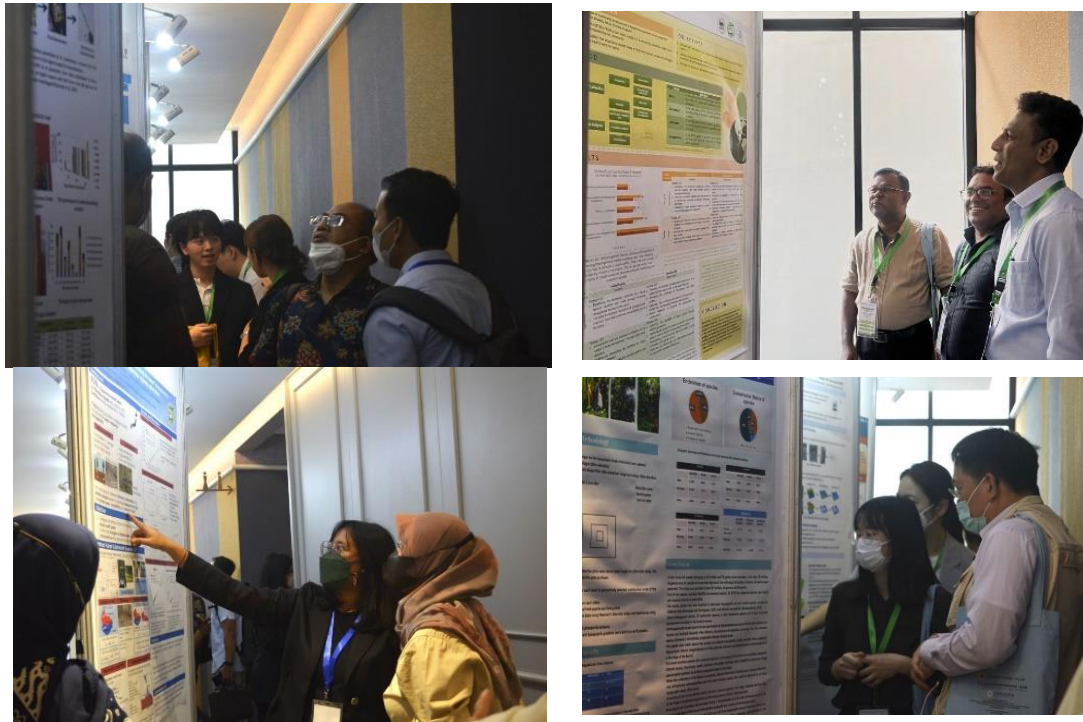


Figure 4. The Participants were look up and discussed during the poster exhibition



Figure 5. Closing ceremony of the symposium a. Closing statement from Prof. Naoto Kamata, Awardee session of the best three posters, b. Arina Damayanti, Represent of Eva Luthviana, d. represent Wei-Ling CHEN



Figure 6. Excursion to Wanagama Educational Forest a. Group photo in front of Wanagama's gate, b. Group photo at the water catchment area "Sendang Ayu", c. Discussion at the Wanagama Hall, d. Group photo in front of red bridge of Oyo River.



Figure 7. Excursion to Mount Merapi Volcano National Park (MMVNP) a. Group photo at the MMVNP area, b. Discussion in the *Acacia decurrens* invasion area, c. Visited the water catchment “Umbul Lanang”, d. Climb up the Merapi Watch Tower



Figure 8. Tour around Borobudur area a. Group photo at “Randu Alas Tuk Songo”, b. Painting Batik at “Tingal Art”, c. VW Tour Borobudur, d. Enjoying lunch at “Balkondes Giri Tengah”