



## Summary Report on the Advanced Course on Taxonomic Capacity Building for Bryophytes and Pteridophytes

Universitas Dhayana Pura, Denpasar, Bali, Indonesia  
25 November – 02 December 2014

The training was participated in by 39 persons from the AMS as participants, resource persons and organizers/facilitators. There were 4 resource persons from Japan's Biodiversity Center, Ministry of the Environment and ESABII, three (3) resource persons from the AMS (one from Singapore Botanic Garden, one from the RCB-LIPI Indonesia, and one from the Bali Botanic Garden, LIPI Indonesia). All participants from the AMS totaled 28, the breakdown of which is as follows: Brunei Darussalam – 2; Cambodia – 2; Lao PDR-0; Indonesia – 10; Malaysia – 2; Myanmar – 2; Philippines – 3; Singapore – 3; Thailand – 2; Viet Nam – 2. Annex 1 shows the list of delegates.

The course ran for 5 days from 25 – 30 November 2014 and followed up by the Data organizing and mapping group of the BIM unit of ACB until 02 December. The Opening Program was attended by the Rector of the UDP and the Deputy Director of the Biodiversity Center of Japan. Local faculty of the university also attended the opening program.

The closing program and Turn Over Ceremony to the next stage of the training was done in the ASTON Denpasar Hotel, where the participants and organizers were staying. On the 4<sup>th</sup> day, the course had a field trip to the Bali Botanic Garden where everybody met the Director of the BBG and his staff. The participants went around the BBG where the ferns and mosses collections were found and thoroughly briefed by the Staff of the BBG.

After the turn over ceremony, the staff of the BIM took over the lectures and the participants while the PDI group went back to Manila on the 5<sup>th</sup> day (30 Nov).

VIPs met during the training:

1. Dr. Made Nyandra, Rector, Universitas Dhayana Pura, Denpasar, Bali, Indonesia
2. Dr. Gusti Bagus Rai Utama, Vice Rector, Universitas Dhayana Pura, Denpasar, Bali, Indonesia
3. Dr. Dedy Darnaedi, Lecturer and Former Director of the Research Center for Biology, LIPI, Indonesia
4. Dr. Ho Boon Chuan, Lecturer and Bryophyte taxonomist, Singapore Botanic Garden
5. Dr. Bayu Adjie, Department Head for Conservation, Bali Botanic Garden, Bali, Indonesia
6. Mr. I Nyoman Lugrayasa, Director, Bali Botanic Garden
7. Mr. Ryo Mabuchi, Deputy Director, Biodiversity Center of Japan
8. Dr. Hidetsugu Miwa, ESABII Secretariat, Biodiversity Center of Japan, MOE-J
9. Dr. Junko Kawai, Lecturer and Scientist, University of Tokyo, Japan
10. Mr. Norihiro Matsushima, Unit Director, OMC



## **Summary Report on the Internship Programme on the Taxonomy of Bryophytes and Pteridophytes**

Queen Sirikit Botanic Garden, Chiang Mai, Thailand

20 - 30 January 2015

The training workshop capacitated participants in the rigors of taxonomy especially on the terrestrial plants group on Bryophytes and Pteridophytes. Specifically, the training workshop aimed to:

1. Introduce the participants to the taxonomy of terrestrial plants particularly the mosses and ferns
2. Familiarize the participants to the general biology of these plants
3. Provide the opportunity for the participants to apply their taxonomic skills on the following:
  - i. Methods of morphological observation
  - ii. Sample collection, processing and identification
4. Develop a draft Field Guide Book on Mosses and Ferns

The training was participated in by Brunei Darussalam (2); Cambodia (3); Lao PDR (3); Indonesia (3); Malaysia (3); Myanmar (3); Philippines (3); Singapore (3); Thailand (4); Viet Nam (3). As organizers: ACB (3); MOE-Japan (2); QSBG (3). Trainers for the course were the following:

1. Dr. Benito C. Tan, Expert on Bryophytes, University of California – Berkeley, USA
2. Dr. Boon-Chuan Ho, Bryophyte Taxonomy Expert, Singapore Botanic Gardens, NParks, Singapore
3. Dr. Edwino S. Fernando, Taxonomy Expert, University of the Philippines Los Banos
4. Dr. Dedy Darnaedi, Expert on Ferns and Fern Allies, Research Center Biologi, LIPI, Indonesia
5. Dr. Bayu Adjie. Taxonomy Expert of Ferns and Fern Allies, Bali Botanic Garden, Bali, Indonesia

Other resource persons were Dr. Junko Kawai of the University of Tokyo, Japan and Dr. Chan-Ho Park, Fern expert of the NIBR, Korea.

The field work was conducted in the Doi Inthanon National Park, two hours by car from Chiang Mai.

Taken from the evaluation forms filled out by the participants, the level of satisfaction ranged from very good to excellent with outliers of dissatisfaction coming from first time participants. Most of the participants attended the previous workshop trainings on the same topic hence they knew what was expected of them.

Feedback from experts and resource persons ranged from satisfactory to highly satisfactory in terms of running the internship. However, there were some observations

regarding the quality of the participants where some participants, being in the supervisory or managerial level, were not cooperative in joining the others do hands-on work in the laboratory and in field collections. This annoyed the experts / trainers.

An added value to the internship programme was that during the field collections in Doi Inthanon National Park, the participants collected moss species that eventually were

identified in the laboratory processing two (2) new records for Tropical Asia and Indochina, respectively, and one potentially new species, which requires more intensive study / research. There was also one new record of fern for Thailand that was collected by the participants and identified.

Attached is the daily programme of activities as it unfolded.



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