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ABSTRACT

INTERNATIONAL CONFERENCE ON BIODIVERSITY

SOCIETY FOR INDOONESIAN BIODIVERSITY

Bandung, 20-21 May 2017

Kawah Putih Lake of South Bandung; photo by A. Duradjak

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ABSTRACT

INTERNATIONAL CONFERENCE ON BIODIVERSITY

SOCIETY FOR INDONESIAN BIODIVERSITY

Bandung, 20-21 May 2017

THEME:

Biodiversity and Ecosystem Health in a Changing World

SECRETARIAT ADDRESS

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TIME SCHEDULE
International Conference on Biodiversity
Society for Indonesian Biodiversity (SIB)
Bandung, Indonesia, 20-21 May 2017

TIME	ACTIVITIES	PERSON IN CHARGE	SITE
May 20, 2017			
07.30-08.00	Registration	Committee	Lobby
08.00-08.15	Opening ceremony	Chairman of the SIB	R1
08.15-08.30	Photo session and coffee break	Committee	R1, Lobby
08.30-10.00	Panel I Prof. Dr. Sahrul Annuar Dr. Parikesit	Moderator	R1
10.00-11.30	Panel II Prof. Dr. Anne Russon *) Dr. Morio Tsukada	Moderator	R1
11.30-13.00	Rest, prayer, lunch & Poster session	Committee	Lobby
13.00-14.00	Parallel presentation I Group 1: AO-01 to AO-07 Group 2: BO-12 to BO-18 Group 3: CO-11 to CO-17 Group 4: DO-11 to EO-04	Moderator Moderator Moderator Moderator	R2 R3 R4 R5
14.00-15.00	Parallel presentation II Group 5: AO-08 to BO-04 Group 6: BO-19 to CO-03 Group 7: CO-18 to DO-03 Group 8: EO-05 to EO-12	Moderator Moderator Moderator Moderator	R2 R3 R4 R5
15.00-15.15	Coffee break, prayer	Committee	Lobby
15.15-16.15	Group 9: BO-05 to BO-11 Group 10: CO-04 to CO-10 Group 11: DO-04 to DO-10 Group 12: EO-13 to EO-20	Moderator Moderator Moderator Moderator	R2 R3 R4 R5
16.15-16.30	Announcement of the Best Presenters Closing ceremony & other explanation	Chairman of the Board of Assessors Chairman of the Committee	R2
May 21, 2017			
07.30- ...	City tour [optional]	Committee	Lobby

Upcoming events:

1. July 5-8, 2017 – Derawan, Berau, East Kalimantan (International Conference on Biodiversity)
<http://biodiversitas.mipa.uns.ac.id/S/gen/schedules.html>
2. September 2-3, 2017 – Bogor, West Java (National Seminar)
<http://biodiversitas.mipa.uns.ac.id/S/gen/schedules.html>
3. September 23-24, 2017 – Palu, Central Sulawesi (International Conference on Biodiversity)
<http://biodiversitas.mipa.uns.ac.id/S/gen/schedules.html>
4. October 14-15, 2017 – Pontianak, West Kalimantan (International Conference on Biodiversity)
<http://biodiversitas.mipa.uns.ac.id/S/gen/schedules.html>
5. November 4-5, 2017 – Medan, North Sumatra (International Conference on Biodiversity)
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Economic valuation, mangrove, Kuala Langsa

DO-07

Farmers and tumpang sari: Case study in Palintang Hamlet, Cipanjalu Village, Bandung, West Java, Indonesia

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People of Palintang hamlet are recognized as one of the local communities residing in the upland of surrounding forest of Manglayang of West Java, Indonesia. Based on ecological or environmental history, they initially they practiced the swidden farming in the natural forest of Manglayang. Moreover, some of them involved as a laborer in various activities of the culture systems during the Dutch colonial. After Indonesian independent, they have participated as a laborer in the tumpang sari program of the Forest Service (Dinas Kehutanan) and the State Forestry Corporation (Perhutani). Today, farmers of Palintang have intensively cultivated the pine forest for planting cash crops, including cabbage and potatoes. As a result, the farming practice in the forest has caused dilemma between providing cash income for local people and endangering the stability of the environment. This paper presents the findings of research on relationships between farmers of Palintang and the Forest Ecosystem, particularly in cultivating crops in the forest. The method used in the study was a combination of qualitative and quantitative or mixed-methods. To collect field data, some techniques, including observation, deep interview with informants, and survey of plants in the garden (*tumpang sari*) and home garden system were carried out. The result of the study shows that the farmers of Palintang have continuously cultivated the forest for tumpang sari since the Dutch colonial period until now. Based on the inventory of crops in the garden (*tumpang sari*) and home garden, it was recorded 47 species and 42 species, respectively. The vegetables and fruits were predominantly found in both the garden and home garden. The practice of tumpang sari in the forests has provided some benefits, including fulfilling cash income for farmer households, but some negative impacts on the environment, such as forest destruction have also occurred.

Environment destruction, farmers, forest, *tumpang sari*, vegetable crops

DO-08

Strategy of development marine culture through SWOT analysis approach in Gorontalo Utara District, Indonesia

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The fishery potential in District of Gorontalo Utara, Indonesia consists of capture fisheries and aquaculture fishery. The utilization of capture fishery potential in Gorontalo district has reached 72.55%, while the utilization of sea cultivation potential is only 15% of the potential. Based on these data, the cultivation of the sea is very potential to be developed in the Gorontalo Utara because it has a high potential but the utilization is still low. The development of marine aquaculture can be successfully supported by various factors. Factors influencing the development of marine aquaculture include environmental, economic, socio-cultural, infrastructure, legal and institutional factors. This study aims to establish a strategy of aquaculture development that can be used to determine the utilization of a region through the approach of carrying capacity of environmental quality by integrating environmental, economic, socio-cultural, infrastructure, legal and institutional factors. The method used in the research is SWOT analysis that is by identifying internal factors and external factors that influence the development of marine aquaculture. The result of the research is obtained on the strategy of S-T: 0.84, W-O strategy: 0.75, S-O strategy: 0.69 and W-T: 0.64. Based on these results, the S-T strategy has the highest value, indicating that the strength and challenge factors are the most important factor in the development of marine aquaculture in Gorontalo Utara District.

Economy, environmental quality, infrastructure, sea cultivation, social

DO-09

Technology hunting of Deer Timor (*Cervus timorensis*) by ethnic Wandamen in Kabupaten Teluk Wondama, West Papua, Indonesia

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This research aims to know the technology hunting deer (*Cervus timorensis*) by Ethnic Wandamen in the District of Teluk Wondama, West Papua, Indonesia. Descriptive