



Organized by



Selected manuscripts
will be available at

BIODIVERSITAS
Journal of Biological Diversity

AGRIVITA
Journal of Agricultural Science

NUSANTARA
BIO SCIENCE



International Conference on Biodiversity

Abs Sem Nas Korf Intl Masy Biodiv Indon
vol. 3 | no. 1 | pp. 1-53 | Jan 2016
ISSN: 2407-8069

ABSTRACT INTERNATIONAL CONFERENCE ON BIODIVERSITY SOCIETY FOR INDOONESIAN BIODIVERSITY Balikpapan, 14-16 January 2016



ABSTRACT

INTERNATIONAL CONFERENCE ON BIODIVERSITY

SOCIETY FOR INDONESIAN BIODIVERSITY

Balikpapan, 14-16 January 2016

THEME :

**Heart of Borneo: the Conservation, Research and Sustainable use of
Biological Diversity in Borneo**

SECRETARIAT ADDRESS

1. Sekretariat Masyarakat Biodiversitas Indonesia, Kantor Jurnal Biodiversitas, Jurusan Biologi Gd. A, Lt. 1, FMIPA UNS, Jl. Ir. Sutami 36A Surakarta 57126. Tel. +62-813-8506-6018. Email: biodiversitas@gmail.com. Website: biodiversitas.mipa.uns.ac.id/S/2016/samarinda/home.html
2. Kantor UPT Layanan Internasional, Universitas Mulawarman. Gedung Pascasarjana Pertanian Tropika Basah Lt. 3 Universitas Mulawarman, Jln. Krayan Kampus Gunung Kelua, Samarinda 75123, Kalimantan Timur. Tel.: +62-812-5569-3222

Organized by



Selected manuscripts
will be available at

BIODIVERSITAS
Journal of Biological Diversity

Journal of Agricultural Science
AGRIVITA
NUSANTARA
BIOSCIENCE



TIME SCHEDULE
International Conference on Biodiversity
Society for Indonesian Biodiversity (SIB)
Balikpapan, Indonesia, 14-16 January 2016

TIME	ACTIVITIES	PERSON IN CHARGE	SITE
January 14, 2016			
08.00-09.00	Registration	Committee	Lobby
09.00-09.15	Speech of the Committee	Chairman of the committee	R0
09.15-09.30	Speech of the International Office	Head of International Office of the Mulawarman University	R0
09.30-09.45	Opening speech	Rector of the Mulawarman University	R0
09.45-10.00	Photo Session and Coffee Break	Committee	R0, Lobby
10.00-12.00	Panel 1 Prof. Dr. Wolfgang Nellen Dr. Jatna Supriatna	Moderator	R0
12.00-13.00	Rest, prayer, lunch	Committee	Lobby
13.00-15.00	Parallel presentation I Group 1: AO-01 to AO-08 Group 2: AO-09 to AO-14, AP-01, BO-01 Group 3: BO-02 to BO-09 Group 4: BO-10 to BO-17 Group 5: BO-18 to BO-25	Moderator Moderator Moderator Moderator Moderator	R0 R1 R2 R3 R4
15.00-15.15	Coffee Break	Moderator	Lobby
15.15-17.15	Parallel presentation II Group 6: BO-26 to BO-32, BP-01 Group 7: BP-02 to BP-08, CO-01 Group 8: CO-02 to CO-08 Group 9: CO-09 to CO-15 Group 10: CO-16 to CO-22	Moderator Moderator Moderator Moderator Moderator	R0 R1 R2 R3 R4

BO-31	Diversity of plants from Yamor Lake in Kaimana, West Papua, Indonesia	Bernadetta M.G. Sadsoeitoeboen, Fransina F. Kesaulija, Hermanus Warmetan	16
BO-32	Diurnal birds living in Yamor Lake of Kaimana District of the Bird Head Area of Papua	Hermanus Warmetan, Fransina F. Kesaulija, Bernadetta M.G. Sadsoeitoeboen	17
BP-01	The age structure of nypa palm worm <i>Namalycastis rhodochorde</i> (Polychaeta: Nereididae) in Kapuas Estuarine, West Kalimantan	Tri Rima Setyawati, Ari Hepi Yanti, Mukarlina, Junardi	17
BP-02	Explorative inventory of plants diversity of tropical wet highland in Mount Seblat, Bengkulu: An ex situ conservation effort	Imawan Wahyu Hidayat, Ikhsan Noviady, Yati Nurlaeni	17
BP-03	Existence of bats In Mount Walat Education Forest, Sukabumi, West Java	Adheliya Setyorini, Sasti Regi Bintari	17
BP-04	Introducing lichen flora of few parts of Malaysian Borneo	Rindita	18
BP-05	Structure of vegetation and species diversity on difference aged of after logged over forest area	Rita Diana, Paulus Matius, Sutedjo, Raharjo Ari Suwasono	18
BP-06	Diversity of predator of paddy plant pests on paddy field that managed by integrated pest management in South Kalimantan	Samharinto Soedijjo, M. Indar Pramudi	18
BP-07	Diversity of orchid from Arfak Mountain Nature Reserve of West Papua, Indonesia	Agustina Y.S. Arobaya, Antoni Ungirwalu, Bernadetha M.G. Sadsoeitoeboen, Dina Arungpadang, Endra Gunawan, Erna C.M. Susanti, Fransina F. Kesaulija, Jimmy F. Wanma, Susanti Tasik, Max J. Tokede, Zulfikar Mariadi, Elieser Sirami	19
BP-08	The potential of Ranggawulung Urban Forest, Subang, West Java, Indonesia as a bird habitat	Dasumiati, Lily Surayya E. Putri, Walid Rumlbat, Fahri Fahrudin, Achmad Jaelani, Laksmana Putra Leuvinadrie, Eka Adhi Mulyono	19
Diversity of ecosystems			
CO-01	Dayak Desa Forest Land Use System as social capital to acquire forest management rights	Emi Roslinda	19
CO-02	Mitigation of mercury contamination through the acceleration of vegetation succession	Wiwik Ekyastuti, Eny Faridah, Sumardi, Yadi Setiadi	20
CO-03	The diversity of Pekarangan Agroforestry in the middle stream Karang Mumus Watershed, East Kalimantan	Penny Pujowati, Hadi Pranoto	20
CO-04	The influence of harvested area on rice production of dryland paddy farming in East Kalimantan, Indonesia	Karmini	20
CO-05	Diversity, vegetation structure and C stocks of inundated riparian forest protected from conversion to oil palm in Central Kalimantan	Cahyo Prayogo, , Risky Maulana Ishaq, Muhammad Khoirul Anwar, Didik Suprayogo, Widiyanto, Rika Ratna Sari, Choirul Anshori, Yudha Asmara, Bandung Sahari, Kurniatun Hairiah	21

Yanmor Lake, plants, diversity, Papua

BO-32

Diurnal birds living in Yamor Lake of Kaimana District of the Bird Head Area of Papua

Hermanus Warmetan[♥], Fransina F. Kesaulija, Bernadetta M.G. Sadsoeitoeboen

Research Centre for Environmental Science, State University of Papua. Jl. Gunung Salju, Amban, Manokwari 98314, West Papua, Indonesia. Tel.: +62-986-211067, 211065, ♥email: hermanwarmetan@gmail.com

Yamor Lake is located in Kaimana District part of the Bird Head Area of New Guinea Island. This lake was formed by two integrated land mass of the bird head area and the main land of New Guinea about 200 million years ago. This area plays a significant role as transfly area of migrant birds and other avian in the north part of New Guinea and its satellite islands. The lake has a limited access that create a pristine protected area for bird nesting sites. The information of bird diversities from this site is poor and the area has becoming prospected habitat to be explored. The main objective of the study is to document bird diversities from the area. Transect lines method is employed in recording all birds encounter during the observation. Based on the preliminary study, 12 species are recorded and they are classified into 9 families and five of the 12 species were recognized as regular migrant birds visited Yamor lake.

Birds, diurnal, Yanmor Lake, Papua

BP-01

The age structure of nypa palm worm *Namalycastis rhodochorde* (Polychaeta: Nereididae) in Kapuas Estuarine, West Kalimantan

Tri Rima Setyawati[♥], Ari Hepi Yanti, Mukarlina, Junardi

Department of Biology, Faculty of Mathematics and Natural Sciences, Tanjungpura University. Jl. Ahmad Yani, Pontianak78124, Kalimantan Barat. Tel.: +62-0561-577963. ♥email: tririma6974@gmail.com

The Age is one important indicator of a population structure. Recently, population of nypa palm worm in the Kapuas River Estuarine to declined due to habitat degradation and overharvesting, but has no data yet on the structure of population based on jaws measurement. The jaws were hardest part of the Polychaeta body that can be used to determining age of Nereididae. The aims of study were to determine of age structure of *Namalycastis rhodochorde*. Worms used to study as many as 312 individuals taken from Kapuas estuarine, West Kalimantan. One of jaws removed from the anterior part of the worm body and measured using a digital caliper. Age structure of nypa palm worms in Kapuas estuarine composed of one

until five years old with an average three years old and predominantly of two years old.

Age, jaws, nypa palm worm, *Namalycastis rhodochorde*, Polychaeta

BP-02

Explorative inventory of plants diversity of tropical wet highland in Mount Seblat, Bengkulu: An ex situ conservation effort

Imawan Wahyu Hidayat[♥], Ikhsan Noviady, Yati Nurlaeni

Cibodas Botanical Garden, Indonesian Institute of Sciences (LIPI). Jl.Raya Cibodas PO Box 19 SDL Cipanas, Cianjur 43253, West Java, Indonesia. Tel/fax: +62-263-512233, ♥email: imawan.wh@gmail.com

Mountains in Sumatra are still keeping a wealth of plants diversity of tropical wet highland. As the largest national park in Sumatra, Kerinci Seblat National Park (KSNP) has high plants diversity, either vertically or horizontally. Mount Seblat, as part of KSNP, a pristine and natural mountain, particularly from disturbances and destructions by human activities. Therefore, the purpose of this study was to inventory of plants diversity which typical of tropical wet highland in Mount Seblat, and to determine the composer of plants species. Inventory activities was conducted through plants collection along the ascent route, which further the plants of field results collection will be conserved ex situ in Cibodas Botanical Garden (CBG). The study was conducted exploratory, along the ascent route from Seblat Ulu Village (641 m asl) up to altitude of 1036 m above sea level. It has conducted of plants collection, especially from seedlings, and inventory of the diversity of plants species. There were 18 points of observation of plants sample with a radius of 3 x 3 square meters per point. Plants collection was produced 380 specimens. Five groups most plants collected from family of Lauraceae as many as 18 species, Rubiaceae as many as 8 species, as many as 6 species of Anacardiaceae, Annonaceae as many as 5 species, Fagaceae as many as 4 species. In order to enrich of plants collection of CBG and ex situ conservation efforts, it also conducted of collecting plants from family of Orchidaceae, which resulted in the collection of as many as 33 species.

Collection, explorative inventory, Mount Seblat, plants diversity, tropical wet highland

BP-03

Existence of bats In Mount Walat Education Forest, Sukabumi, West Java

Adheliya Setyorini[♥], Sasti Regi Bintari

Department of Biology, Faculty of Mathematics and Natural Sciences, Bogor Agricultural University. Jl. Agatis, Bogor 16680, West Java,