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ABSTRACT INTERNATIONAL CONFERENCE ON BIODIVERSITY

SOCIETY FOR INDOONESIAN BIODIVERSITY

Bogor, 29-30 September 2018



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ABSTRACT

INTERNATIONAL CONFERENCE ON BIODIVERSITY

SOCIETY FOR INDONESIAN BIODIVERSITY

Bogor, 29-30 September 2018

THEME:

Biodiversity for Sustainable Development and Human Welfare

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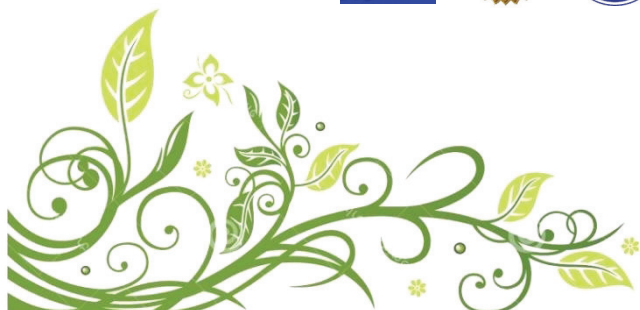
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TIME SCHEDULE
International Conference on Biodiversity
Society for Indonesian Biodiversity (SIB)
Bogor, Indonesia, 29-30 September 2018

TIME	ACTIVITIES	PERSON IN CHARGE	SITE
September 29, 2018			
07.30-08.30	Registration	Committee	Lobby
08.30-08.40	Opening ceremony	Chairman of the SIB	R1
08.40-09.00	Photo session and coffee break	Committee	R1, Lobby
09.00-10.30	Panel I Prof. Badrul Munir Md. Zain Prof. Takaomi Arai	Moderator	R1
10.30-12.00	Panel II [<i>selected paper</i>] [<i>selected paper</i>]	Moderator	R1
12.00-13.00	Rest, prayer, lunch & Poster session	Committee	Lobby
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14.00-15.00	Parallel presentation II Group 5: BO-14 to BO-19 Group 6: BO-20 to BO-25 Group 7: BO-26 to BO-31 Group 8: CO-01 to DO-02	Moderator Moderator Moderator Moderator	R1 R2 R3 R4
15.00-15.15	Coffee break, prayer	Committee	Lobby
15.15-16.15	Parallel presentation II Group 9: DO-03 to DO-07 Group 10: DO-08 to EO-01 Group 11: EO-02 to EO-06 Group 12: EO-07 to EO-11	Moderator Moderator Moderator Moderator	R1 R2 R3 R4
16.15-16.30	Announcement of the Best Presenters Closing ceremony & other explanation	Chairman of the Board of Assessors Chairman of the Committee	R1
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collected from 3 different ecosystems, namely forest, and beach. The location of the ecosystem includes near settlements and away from settlements. The overall mosquito sample was successfully identified as many as 27,479 tails consisting of 5 genera and 37 species. From Pekalongan District, there were samples of mosquitoes consisting of 5 genera and 19 species. As many as 4 species of mosquitoes are species that have never been identified and reported in circulation in Pekalongan District. Identification of mosquitoes collected in Purworejo District has 5 genera and 23 species. Mosquito samples from Pati District were identified as having 5 genera and 22 species. Indonesia has a tropical climate that is heterogeneous and vulnerable to the impacts of climate change. Climate change can affect the spread of various mosquito vector infectious diseases. Increasing humidity and rainfall will increase the density of mosquitoes as a vector for some diseases.

Central Java, mosquitoes, vectors, tropical diseases

BP-07

Key species of wildlife as tourism attraction in Gorontalo Province, Indonesia

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Wildlife has a vital role in human life. From ecology perspective, wildlife is a reflection of ecological condition and its changes over the course of time. Moreover, wildlife has become a natural tourist attraction. The research aimed to identify wildlife species that has become a tourist attraction in Gorontalo Province, Indonesia. The data were secondary data collected by examining related studies and journals. The results showed wildlife species that have become a tourist attraction in Botubarani Beach is whale shark (*Rhincodon typus*); in Panua Nature Reserve: Maleo bird (*Macrocephalon maleo*), olive ridley turtle (*Lepidochelys olivacea*); in Nantu-Boliyohuto Wildlife Reserve: babirusa (*Babyrousa babyrussa*), anoa (*Bubalus depressicornis*), Malay civet (*Viverra zibethica*), tarsius (*Tarsius spectrum*), Sulawesi black macaque (*Macaca heckii*), Sulawesi dwarf cuscus (*Strigocuscus celebensis*), and bird species; in Pepaya Mas Nature Reserve: green turtle (*Chelonia mydas*), hawksbill turtle (*Eretmochelys imbricata*), leatherback sea turtle, (*Dermochelys coriacea*), loggerhead sea turtle (*Caretta caretta*) and bird species; in Limboto Lake area: endemic birds and migratory birds.

Attraction, Gorontalo, key species, tourism wildlife

BP-08

Biological aspect and fishing season of thresher sharks fish caught in Indian Ocean and landed in Cilacap, Indonesia

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Not only become as the by-catch, sharks also as the fishing target by Cilacap fishermen. To support on conservation and shark fisheries management, an observation on fishing ground and length frequencies were carried out during 2014-2015 with updating in February-March 2018. Catch composition analysis as well as determining catch season peak is calculated based on daily vessels unloading data in 2013-2017. Sampling activities were conducted at Cilacap Ocean Fishing Port, Central Java, Indonesia. The results show that *Alopias pelagicus* and *Alopias superciliosus* are the dominant sharks caught. The fishing ground coordinate was at 6-130 SL and 96-110 EL, with the fishing season peak in August. The length and weight relationship of *Alopias pelagicus* $W = 7 \times 10^{-6} L^{3.15}$ and *Alopias Superciliosus* $W = 5 \times 10^{-6} L^{3.20}$ with the $L_{50\%}$ for both of these species are 195 cmFL. Male *A. pelagicus* has length about 89-330 cm with an average of 168.5 cm, whereas the female about 46-332 cm with an average of 175.7 cm. Male *A. Superciliosus* have length about 95-512 cm with an average of 197.6 cm, while the female about 84-381 cm with an average of 184.1 cm.

Biological aspect, fishing season, Indian Ocean, thresher sharks

BP-09

The potential of Suweg and its habitat in Gubug Payung, Temenggeng, Blora District, Indonesia

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Suweg (*Amorphophallus paeoniifolius* (Dennst.) Nicolson) is one of the potential sources of food plants that are often found growing wild in farmers' gardens or fields. In the teak plantation of Cepu KPH precisely in Temenggeng Village, there were many suwegs growing between the teak trees that were already big and old. To find out the potential and range of habitat where suweg grows, especially in teak forests, ten plot observations were made using purposive sampling, each measuring 10 x 10 m². Overall, 17 adults and 30 young individuals were obtained. In addition to teak plants, 43 wild plant species were identified alongside suweg, from various habitus, herbs, lianas, shrubs, and trees as well as some ferns and orchids. Herbs are the most common habitus that grows around



INTERNATIONAL CONFERENCE ON BIODIVERSITY

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BOGOR, INDONESIA, SEPTEMBER 29-30, 2018

Subject : Invitation for ICB Bogor (September 29-30, 2018)

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Dear Sir/Madam,

On behalf of the Scientific Committee, we would like to inform you that your abstract qualify for selection, and then we formally invite you to attend the International Conference on Biodiversity to present your paper on:

Date : September 29-30, 2018
Time : 08.00 a.m. to 04.30 p.m.
Venue : **IPB Internanational Convention Center**
Botani Square Building Floor. 2nd, Jl Pajajaran Raya, Bogor City, 16127
West Jawa Telp. +62-251-8400658

Schedule of the conference (Book of Abstract and Manual Program) will be sent later. We look forward for seeing you on our event.

Solo, September 18, 2018
Co-Chairman,



Ahmad Dwi Setyawan
NIP. 196905171997021005

SEKRETARIAT

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Key species of wildlife as tourism attraction in Gorontalo Province

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ABSTRACT

Wildlife has a vital role in human life. From ecology perspective, wildlife is a reflection of ecological condition and its changes over the course of time. Moreover, wildlife has become a natural tourism attraction. The research aimed to identify wildlife species that has become a tourism attraction in Gorontalo Province. The data collection of wildlife was done by survey method and were secondary data collected by examining related studies and journals. The results showed that the wildlife species in Gorontalo Province consist of 18 species found in Mas Popaya Raja Nature Reserve, Panua Nature Reserve, Nantu-Boliyohuto Wildlife Reserve, Botubarani Beach, Limboto Lake Area.

Key words: gorontalo, key species, tourism attraction, wildlife

INTRODUCTION

Wildlife are all kind of animals that live on land, in water, and or in the air that still have wild traits, both those who are still free and those maintained by humans. tourism activities. Wildlife species are a reflection of ecological conditions and their changes over time and become a barometer of a quality of wildlife. As a parameter of a conservation area, its existence is a "life" or "soul" of wildlife in that area. In addition to playing an important role in ecology, economics, research and education, wildlife is also a major attraction for tourism activities.

MATERIAL & METHODS

Location of study area was conducted in Gorontalo Province. The data collection of wildlife as tourism attraction was done by survey method, that is, to explore the whole area of research location. Data were collected by indentifying each type of wildlife found

RESULT & DISCUSSION

Mas Popaya Raja Nature Reserve

Mas Popaya Raja Nature Reserve is located in Angrek District, North Gorontalo Regency. Wildlife which has the potential to become a tourist attraction are: green turtles (*Chelonia mydas*), hawksbill turtles (*Eretmochelys imbricata*), leather back turtles (*Dermochelys coriacea*), and logger head turtles (*Caretta caretta*)



Chelonia mydas



Eretmochelys imbricata

Panua Nature Reserve



Macrocephalon maleo

The Panua Nature Reserve has an area of 36,577.35 Ha, located in Pohuwato Regency, Gorontalo Province. Wildlife in The Panua Nature Reserve which has the potential to become a tourist attraction are: maleo bird (*Macrocephalon maleo*), gosongbird (*Eulipoa wallacei*), kelp (*Lepidocheekys olivacea*), tarsius (*Tarsius quarlesi*), and rangkong bird (*Rhytycerox cassida*)

Nantu-Boliyohuto Wildlife Reserve

Nantu Wildlife Reserve has an area of 51,507.33 Ha and the wildlife which is the main attraction of tourism activities in Nantu Wildlife Reserve are: babirusa (*Babyrousa babyrussa*), anoa (*Bubalus depressicornis*), ferrets (*Viverra.tangalunga*), tarsius (*Tarsius spectrum*)



Babyrousa babyrussa



Bubalus depressicornis

sulawesi black monkey (*Macaca heckii*), cuscus (*Strigocuscus celebensis*), and rangkong bird (*Rhytycerox cassida*)



Rhincodon typus

Botubarani Beach

Botubarani Beach is located in Bone Bolango District, with the attraction of whale sharks (*Rhincodon typus*) which is the main attraction of tourist activities on this beach. The wildlife have a total length of up to 12 meters, and these wildlife are endangered so their status is 'protected wildlife'

Limboto Lake

Limboto lake is located in Gorontalo District, with quite easy acces. The wildlife attraction that is found in Limboto Lake is the migratory birds such as shrub trinil (*Tringaglareola*), red neck kedidi (*Calidris ruficollis*), small necklace cerek (*Charadrius dubius*), gagang bayam timur (*Himantopus leucocephalus*)



CONCLUSION

Gorontalo Province have the wildlife of mammals, bird, and amphibi. The potential of this wildlife is an attraction for the development of natural tourism destination.

REFERENCES

- Clayton, L. M. 1996. Conservation Biology of The Babirusa (*Babyrousa babyrussa*) in Sulawesi Indonesia. [Disertasi]. United Kingdom. Wolfson College University of Oxford
- BKSDA, 2013. Rencana Pengelolaan Jangka Panjang Cagar Alam Panua seksi Konservasi Wilayah II Gorontalo Provinsi Sulawesi Utara Periode 2013-2023. Dirjen Perlindungan dan Konservasi Alam.