

The 6th INTERNATIONAL
CONFERENCE FOR
TROPICAL STUDIES
AND ITS APPLICATIONS

**Toward Sustainable Tropical Environment
for New Capital City of Indonesia**

ABSTRACT BOOK

1st-2nd November 2022 | Samarinda-Indonesia

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Project Implementation Unit
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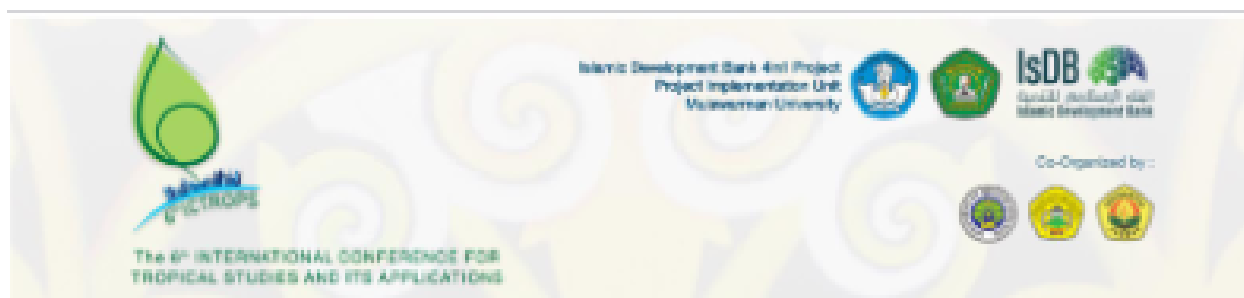


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Parallel Session

Parallel sessions are carried out on the first and second days according to the schedule. We provide 5 rooms for parallel session. Each presenter is welcome to do an oral presentation in the provided rooms, offline or online.

Day 1 (Tuesday, 1 st November 2022)					
Time	Room 1	Room 2	Room 3	Room 4	Room 5
14.30 - 14.40	ETM-070	ETM-170	ESC-118	ESC-169	ETM-205
14.40 - 14.50	ETM-071	ETM-171	ESC-119	ESC-180	ETM-208
14.50 - 15.00	ETM-072	ETM-172	ESC-120	ESC-183	ETM-220
15.00 - 15.10	ETM-110	ETM-175	ESC-130	ESC-188	ETM-221
15.10 - 15.20	ETM-120	ETM-178	ESC-136	ESC-191	ETM-229
15.20 - 15.30	ETM-131	ETM-185	ESC-138	ESC-193	ETM-182
15.30 - 15.40	ETM-135	ETM-186	ESC-147	ESC-195	ESC-253
15.40 - 15.50	ETM-140	ETM-192	ESC-163	ESC-197	ESC-257
15.50 - 15.60	ETM-144		ESC-167	ESC-200	

Day 2 (Wednesday, 2 nd November 2022)					
Time	Room 1	Room 2	Room 3	Room 4	Room 5
13.15 - 13.25	ESC-206	ESC-218	ESC-235	ELP-123	ESE-142
13.25 - 13.35	ESC-207	ESC-222	ESC-236	ELP-124	ESE-143
13.35 - 13.45	ESC-209	ESC-223	ESC-239	ELP-133	ESE-160
13.45 - 13.55	ESC-210	ESC-224	ESC-240	ELP-134	ESE-182
13.55 - 14.05	ESC-213	ESC-227	ESC-241	ELP-141	ESE-219
14.05 - 14.15	ESC-214	ESC-228	ESC-242	ELP-161	ESE-255
14.15 - 14.25	ESC-215	ESC-231	ESC-243	ELP-187	ESC-260
14.25 - 14.35	ESC-217	ESC-232	ESC-244	ELP-194	ELP-261
14.35 - 14.45		ESC-233	ESC-245	ELP-212	ESC-262

Notes:

Every presenter will have a 10-minute presentation.

Subtopics:

1. ETM = Environmental Technology and Modelling
2. ESC = Environmental Science
3. ESE = Environmental Socio-Economy
4. ELP = Environmental Law and Policy



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32.	ESC	167	Uaman Arayad, Wahyuni, Andang Suryana Soma, Riski Amaliah, dan Sarif Al Qadri	RIVER DISCHARGED ANALYSIS USING SOIL AND WATER ASSESSMENT TOOLS METHOD IN BONTO SAILE WATERSHED, SELAYAR ISLANDS REGENCY
33.	ESC	169	Astrid Jessica Halim, Imam Rosadi	BIBLIOMETRIC ANALYSIS OF RESEARCH DEVELOPMENT IN THE FIELD OF SCIENCE CARTILAGE REGENERATION USING ADIPOSE- DERIVED STEM CELLS
34.	ESC	180	Joan Angelina Widiara, Alfina Rahimi, Novianti Puapitasari, Muhammad Bambang Firdaus, Yulindawati, Ade Fitri Tjioea	PEST IDENTIFICATION SYSTEM OF PIDADA MERAH (<i>SONNERATIA CASEOLARIS</i>) IN BORNEO MANGROVE FOREST
35.	ESC	183	Sitti Fatimah A. Z.	SUNSCREEN ACTIVITY TEST OF EXTRACTS AND ITS FRACTIONS FROM NIPAH LEAVES (<i>Nyga fruticosa</i> Wurm.) WITH SPECTROPHOTOMETRY METHOD
36.	ESC	188	Purwati Kusarini Suprpto, Ika Raymita Huana, Vita Mcylani, Andri Wibowo	ECOLOGICAL AND ANTHROPOLOGICAL IMPACT ON DIVERSITY ECHINODERMATA IN THE SOUTH BEACH AREA, INDONESIA
37.	ESC	191	Sean Steven	SHORT PERSPECTIVE ON MEMBRANE INTEGRATION IN MICROALGAE BIOREACTOR FOR CO ₂ CAPTURE
38.	ESC	193	Annia Miranda, Tamrin Rahman, Mardewi Jamal	COMPARISON OF THE EFFECT OF ADDING COCA-COLA AND SUGAR ON SETTING TIME AND CONCRETE COMPRESSIVE STRENGTH
39.	ESC	195	Dijan Rukmi, Medi Hendra, Mawaddah Beaher	STUDY OF NATURAL FOOD SOURCES OF PROBOSCIS MONKEYS (<i>NASALIS LARYATUS</i>) IN THE BUFFER ZONE OF NEW CAPITAL CITY OF INDONESIA
40.	ESC	197	Krisna Suzana, Ikhsan Guawanirva, Apriwi Zulfitri, Titik Kartika	ANTAGONISTIC TEST OF DARK SEPTATE ENDOPHYTE (DSE) AGAINST COLLETOTRICHUM GLOESPORIOIDES ON CHILI PLANTATION (<i>CAPSIUM ANNUUM</i>)
41.	ESC	200	Raydi Fatris, Widya Kusumaningrum, Dewi Embong Bulan	DETECTION OF THE DISTRIBUTION OF TOTAL SUSPENDED SOLID (TSS) USING SENTINEL-2 IMAGERY IN THE MAHAKAM DELTA WATERS
42.	ESC	206	Naufal Atharyah, Muhammed Sumiran Pagutungan, Dewi Embong Bulan	RELATIONSHIP OF DENSITY & LITTLE PRODUCTION RATE OF MANGROVE IN MUARA BADAH AREA, KUTAI KARTANEGARA, EAST KALIMANTAN
43.	ESC	207	Nabila Chairunnisa, Muhammed Sumiran	BIOPHYSICAL ANALYSIS FOR LAND SUITABILITY AS A MANGROVE





ESC-195

STUDY OF NATURAL FOOD SOURCES OF PROBOSCIS MONKEYS (*NASALIS LARVATUS*) IN THE BUFFER ZONE OF NEW CAPITAL CITY OF INDONESIA

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ABSTRACT

The riparian forest area along the Tunan river in Waru District, Penajam Paser Utara, is one of the proboscis monkeys habitats in East Kalimantan. This area is included in the buffer zone closest to the new nation's capital city. As a result of the ongoing land use conversion, this area is divided into fragments, which have an effect on reducing the habitat. However, the presence of numerous groups of proboscis monkeys indicates that these habitat fragments can still meet their basic needs. The purpose of this study was to identify plant species used by proboscis monkey as natural food sources. Purposive sampling and observation method were used during this research. The result shows that there were 18 plant species as natural food sources, namely *Avicennia marina*, *Elaeis guineensis*, *Excoecaria agallocha*, *Ficus benjamina*, *Sonneratia caseolaris*, *Vitex pinnata*, *Xylocarpus granatum*, *Achantus ilicifolius*, *Derris trifoliata*, *Ficus urata*, *Manihot esculenta*, *Melastoma malabathricum*, *Senna alata*, *Acrosticum aureum*, *Causonis trifolia*, *Flagellaria indica*, *Oxyceros longiflorus*, and *Loranthus* sp. The hugest proportion of plant parts consumed were leaves (66.67%), while flowers and fruits were consumed in a smaller percentage.

Key words: food sources, *Nasalis larvatus*, proboscis monkeys, riparian