

Table of contents

Volume 1282

2023

[◀ Previous issue](#) [Next issue ▶](#)

**3rd International Symposium on Tropical Forestry and Environmental Sciences 29/08/2023 - 30/08/2023
Balikpapan, Indonesia**

Accepted papers received: 24 November 2023

Published online: 21 December 2023

[Open all abstracts](#)

Preface

OPEN ACCESS

011001

Preface

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

011002

Peer Review Statement

[+ Open abstract](#) [View article](#) [PDF](#)

People - Forest and Environment

OPEN ACCESS

012001

Land resource management on environment and sustained basis for agricultural land use planning using landform and land evaluation approach (a case study in North Barito District, Central Kalimantan Province)

V Amelia, S Sinaga and A Bhermana

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012002

Potential waste from felling of *Eucalyptus pellita* trees using Komatsu PC130F-7 in industrial plantation forest

Y Ruslim, N M Astuti and D R Sari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012003

Object Oriented Design Systems for WebGIS Flood Risk Classification in Samarinda, Indonesia

F Agus, Z A Kamil and O I Gifari

[+ Open abstract](#) [View article](#) [PDF](#)

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).



V Pramaningsih, S Isworo, A D Purwanto and D Kurniawan

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012005

Antibacterial and biolarvicidal activity of extracts of ethanol of *Goniothalamus macrophyllus* leaves and roots

D Kurniawan, P M Kustiawan, V Pramaningsih, R Yuliawati and R Ismiati

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012006

Ecotourism management of coastal forest area in small islands, Bandar Lampung City: an internal factor analysis

Refi Arioen, Machya Kartika Tsani, Sugeng Prayitno Harianto, Surnayanti, Tomy Pratama Zuhelmi, Destia Novasari and Widya Anisa Rachmah

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012007

Traders' motivation in business development-based coastal forest ecotourism : a case study of small islands in the City Of Bandar Lampung

Sugeng Prayitno Harianto, Refi Arioen, Machya Kartika Tsani, Tomy Pratama Zuhelmi and Surnayanti

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012008

Study of diameter and height increment of Nipa (*Nypa fruticans*) fronds for the sustainability of mangrove forests management in Pagar Batu Island, Mahakam River Estuary, East Kalimantan

H Herlambang, H Siswanto, N Sianturi and W Rastika

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012009

Management of the Lati Petangis grand forest park (TAHURA): roles and perceptions of forest farmer groups

Firdaus and Nursakinah

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012010

The harvested of eucalyptus leaves as sources of essential oil production from timber forest plantation

A Suhardiman and F Fitriyana

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012011

The new settlement Long Pahangai II Village mapping plans based on participatory and land

suitability in Mahakam Ulu Regency, East Kalimantan

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012012

Performance of sustainable livelihoods assets in coastal communities in dealing with climate change: A case study at Kuaro District, Paser Regency

R Kristiningrum, W I R Sari and H D Chaniago

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012013

Water sustainability in the Anthropocene: challenges and solutions for a changing world

C N Annisa, E Purwanti, Setiawati and M A Sardjono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012014

Micro spatial planning approach for effective peat restoration concept in Kahayan-Sebangau Rivers Peat Hydrological Units

Merty Ilona, Bambang Supriyono Lattu, Aswin Usup, Agung Wibowo and Santosa Yulianto

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012015

Crown Density Relationship to Microclimate and Comfort Index in Telaga Sari City Forest, Balikpapan, East Kalimantan, Indonesia

N Kartika and Marjenah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012016

Social forestry development in East Kalimantan: challenges and opportunities

E Purwanti, M A Sardjono, A Wijaya, Rahmina, H Putra, DC Wahyuningtyas, DH Sormin, EP Setiawan, E Wulandari and T Hidayat

[+ Open abstract](#) [View article](#) [PDF](#)

Forest Conservation and Wildlife Ecology

OPEN ACCESS

012017

Epiphytic Host Tree Identification In Samarinda Botanical Garden

Z Yahya, A P Sujalu, L Kamarubayana, H Emawati, M Napitupulu, Ismail ismail and Noor Jannah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012018

Habitat suitability of Proboscis Monkey *Nasalis larvatus* Wurm. in Muara Kaman Sedulang Nature Reserve, East Kalimantan

A Hidayat, Y B Sulistioadi, W Kustiawan, Sukartiningsih, Z Haryanto and R B Suba

[+ Open abstract](#) [View article](#) [PDF](#)
This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



The perception of Belat fishermen in Gunung elai Village about the determination of Kedindingan island waters as a conservation area (case in Bontang City, East Kalimantan Province)

E Sugiharto, Juliani and Marshal

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012020

Floristic composition of the local family forest in Panarung Village, a subdistrict of Bentian Besar, West Kutai Regency, East Kalimantan, Indonesia

P Matius, F Phambudi, Aryanto, Harmonis, Z Arifin and Y Ruslim

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012021

Cavity-nesting birds in the forest patch around urban areas: A case study in Bogor, Indonesia

Septian Putra Adi Nugroho, Ani Mardiasuti, Yeni Aryati Mulyani and Dede Aulia Rahman

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012022

Design of soil and water conservation techniques to minimize soil erosion on degraded land in Samarinda Tenggara Axis Road

S Sarminah, P N Timo and M I Aipassa

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012023

Composition and Structure of Mangrove Species in Sekurau Bawah Hamlet, East Kutai Regency, East Kalimantan

M I Aipassa, M E Siahaya, I Suyatna, F Hernandi, R Kristiningrum, E Sarwono, Y Ruslim, N N Duakaju, Mursidah and F Kristina

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012024

Observation of waterbirds in mangrove forest: The need for habitat rehabilitation to maintain and utilize the bird species community in the Mahakam Delta

C Boer, Rustam, M Syoim and A Prasetya

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012025

Water infiltration rate of illegal mining sites in Bukit Soeharto Forest Park, East Kalimantan Province

M Rafi, M I Aipassa, S Sarminah, S Hardwinarto, R Kristiningrum, Soenarto, F Kristina, Y Ruslim and ME Siahaya

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012026

Conservation of endangered tree in the coal mining area in Tabang, East Kalimantan: biodiversity offset and protection

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012027

Alternatives of plant species for forest and land rehabilitation and their potential carbon dioxide absorption in the Wain Watershed, East Kalimantan, Indonesia

G S Afdalayah, S Hardwinarto and Karyati

[+ Open abstract](#) [View article](#) [PDF](#)

Commercialization of Forest Products/Bioprospecting

OPEN ACCESS

012028

Potential utilization of Indonesian plant extracts for biothermicide to control subterranean termite attack (*Coptotermes* spp.): a review article

M A Rizqullah, Erwin, E Budiarmo, Harmonis, I Guswenrivo and H Kuspradini

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012029

Assessing the phenolic content and antimicrobial properties of *Cinnamomum porrectum*, *Dioscorea bulbifera*, and *Tristaniopsis whiteana* extracts for anticaries agent

H Kuspradini, A S Putri, A G Larasati, N A Zulfa, E Rosamah and S Egra

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012030

Exploring The Secondary Metabolites and Antioxidant Potential of *Litsea elliptica* Leaf Extract

M S Mala, A G Larasati, A S Putri and H Kuspradini

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012031

Characteristics of Wood Fossils From Bengkinang Village Kutai Kartanegara Regency

N Husien, A Aryanto, Erwin and AS Budi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012032

Dyeing of doyo fiber (*Curculigo latifolia*) using teak leaf extract (*Tectona grandis*) as a natural coloring material

M K Khairu, H Kuspradini and E Rosamah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012033

Analysis of Red Meranti Wood Color Change Due to Weather Exposure in Samarinda

Erwin, Andrian Fernandes, Kholik Karyadi, Isna Yuniar Wardhani, Kusno Yuli Widiati and Nani Husien

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.

[+ Open abstract](#) [View article](#) [PDF](#)



Improved Quality of Wood Plastic Composite (WPC) Through the Addition of Maleic Anhydride (MAH)

Rindayatno, J Davidson and I Dayadi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012035

The effect of liquid smoke treatment from plant leaves materials for latex

E Hertianti, W Suwinarti and B Supraptiono

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012036

Potential of natural fiber based on plant characteristics

W Suwinarti, Yuliansyah, N T Wulandari and M T Haqiqi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012037

Antibacterial and Antioxidant activity of Leaf and Fruit from *Jatropha curcas*

S Egra, M R Syaputra, E Rosamah, H Kuspradini, A S Putri and K Yamauchi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012038

Antimicrobial activity of plant from educational forest in Universitas Borneo Tarakan

A S Putri, S Egra, Amarullah, Mardhiana, D Santoso, M Adiwena, A Murtalaksono, A Rahim, S Sirait, E Wahyuni *et al*

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012039

Antibacterial Activities of *Heterotrigona itama* Honey Farmed in Ex-Mining Area

A T K O Ardy, E T Arung and Yuliansyah

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012040

Biological activities and phytochemicals of five orangutan food plants from Wehea-Kelay Landscape

A S A Andini, E T Arung, M Hendra, M D Suryadana, E Sudiono, M A Rifqi and I W Kusuma

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012041

Phytochemical and Bioactivity of Propolis Extracts Produced by Stingless Bee *Heterotrigona itama* from Two Cultivation Locations

R Rusman and E T Arung

[+ Open abstract](#) [View article](#) [PDF](#)

Ibrahim, E Rosamah, M Hendra, E Sudiono, M A Rifqi and I W Kusuma

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012043

Potential Biological Activities of Honey from *Heterotrigona itama* and Its Phytochemicals

S Reskiani, N R Rahmawati and E T Arung

[+](#) Open abstract [View article](#) [PDF](#)

Biomass Conversion and Renewable Energy

OPEN ACCESS

012044

Restoring ex mining area using *Pongamia pinnata* in Central Kalimantan: a reclamation program alternative base on bioenergy species

S Maimunah, S Erdhani, SB Suwito, Rawana, NS Lestari, B Leksono and B Himlal

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012045

Alaban wood (*Vitex pinnata*) as a promising feedstock in the community-scale charcoal industry: A case study of KPHP Kendilo, Indonesia

E Sudaryanto, M T Haqiqi, Yuliansyah, Rujehan and R Amirta

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012046

Production of bioelectricity from palm oil mill effluent through a dual chamber-microbial fuel cell system with the addition of *Lactobacillus bulgaricus*

SD Febriawan, AP Febriana, A Yuniarto and M Purwanto

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012047

The potential of bio-DME from oil palm empty fruit bunch in the Kalimantan region

Rudy Heryadi, Syukri M Nur, I Putu Hikariantara, Doni Suseno and Mila Viendyasari

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012048

The effectiveness of alkaline and thermo hydrolysis pretreatments in the bioethanol production from *Calliandra calothyrsus* wood

N Nasriati, M Ufa, A F Ningrum, M T Haqiqi, W Suwinarti and R Amirta

[+](#) Open abstract [View article](#) [PDF](#)

OPEN ACCESS

012049

Quality of Charcoal Briquettes from Sawdust Waste of Ulin (*Eusideroxylon zwageri*) and Coconut Shell (*Cocos nucifera*) Based on Variations in Ratio and Particle Size

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our

Privacy Policy



Silviculture and Ecosystem Restoration

OPEN ACCESS

012050

The Impact of Land Cover Density on the Water Infiltration Process in the Nyadeng Lake Area, Merabu Village Berau District, East Kalimantan

Marjenah, P Matius, D Aprillius and R Mulyadi

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012051

Ameliorant application promotes growth performances of *Calliandra calothyrsus* Meissn. planted on post-coal mining land

M Junaidi, Syahrinudin, Kiswanto, T Sudarmadji, A Ruhaemi and W Hartati

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012052

Arbuscular mycorrhizal colonization of pioneer mangrove species in Mahakam Delta, East Kalimantan

Fitria Dewi Kusuma, Sadam Zakaria and Rahmat Adi Saputra

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012053

Enriched biochar enhances height growth performance of *Anthocephalus cadamba* on severely degraded Spodosols in East Kalimantan

MOPS Putra, Syahrinudin, W Hartati, Kiswanto, T Sudarmadji, FPM Sofyan and MT Hapsari

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012054

Silvicultural decisions to formulate forest restoration strategies using geospatial approaches

Kiswanto, Mardiany, Ariyanto and S Tsuyuki

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012055

Plants Performance in the coal mining restoration area in Tabang, East Kalimantan

Bina Swasta Sitepu, Priyono, Yusub Wibisono, Wahyudin, Banjar Yulianto Laban, Yustinus Aditya Herlambang and Ishak Yassir

[+ Open abstract](#) [View article](#) [PDF](#)

OPEN ACCESS

012056

Early Growth of Seven Local Tree Species In The Reclamation Area of PT Bara Tabang

Burhanuddin Adman, Yustinus Iriyanto, Ishak Yassir, Wahyudin, Banjar Y. Laban, Rudiro Trisnardonono and Yustinus Adityawan

[+ Open abstract](#) [View article](#) [PDF](#)



Good practices of post mining land rehabilitation works in the southern region of East Kalimantan, Indonesia

T Sudarmadji and W Hartati

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012058

Soil organic carbon stores in the mangrove forest restoration of ex-ponds in the Salo Palai Village of Kutai Kartanegara

B T Jansi, Kiswanto, Mardiany and R Diana

[+ Open abstract](#)

[View article](#)

[PDF](#)

OPEN ACCESS

012059

Genetic variation of gelam (*Melaleuca cajuputi* subsp. *cumingiana*) in southern Kalimantan peat swamp population based on isozyme marker

M T Hapsari, S Indrioko, E Faridah, Widiyatno, M Naiem, A B Herdyantara and I Wahno

[+ Open abstract](#)

[View article](#)

[PDF](#)

JOURNAL LINKS

[Journal home](#)

[Journal scope](#)

[Information for organizers](#)

[Information for authors](#)

[Contact us](#)

[Reprint services from Curran Associates](#)





HONOLULU, HI
Oct 6–11, 2024



Abstract submission
deadline: **April 12, 2024**

Joint Meeting of
The Electrochemical Society
•
The Electrochemical
Society of Japan
•
Korea Electrochemical
Society

