

Mangrove ecotourism development strategy and contribution to increasing the SDGs value in Siak Regency, Riau Province

by Elfis Elfis

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ABSTRACT BOOK



The 5th IBOC - 2020 (International Biology Conference)

Ecofarming, Ecotourism & Green Management
for Sustainability of Natural Resources

molecular & cellular biology · genetic &
biotechnology · physiology & development ·
biodiversity & conservation · agriculture &
food technology · applied biosciences

Biology Department
Faculty of Science and Data Analytics
Institut Teknologi Sepuluh Nopember

Abstract Book of the 5th International Biology Conference (IBOC) 2020

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PREFACE

Greetings,

It's an honor to have been asked to offer a vote of thanks on the 5th International Biology Conferences (5th IBOC). On behalf of my institution, Biology Department of Institut Teknologi Sepuluh Nopember and the entire committee here, I am very hearty gratitude to all the speakers for sharing their graceful ideas with us in this conference.

The honorable and respected chief guest,

World have been facing with the food crisis, depleted non-renewable energy and the decrement of environmental health which worsed by the population growth. Whereas the natural resources that we have today are what we owe to our future generations. Hence, management for sustainable natural resources is urgently required.

Today, October 17th in 2020, we are unified together in this valuable forum of 5th IBOC to discuss and share the ideas in several themes namely Ecofarming, Ecotourism & Green Management for Sustainability of Natural Resources. Hopefully, we together could formulate the concrete solutions for various issues related to biodiversity, food security and the environment, biotechnology development and human welfare. Moreover, we also hope we will have a real excellent networking in the future may arise from this event.

We would like also to thank to the Rectorate, Faculty of Science and Data Analytics, and Research Center of ITS for supporting the conference. The big remarkable applause is also going to the conference committee who are giving their excellent hands for keeping the conference running on schedule.

Thank you and best regards

Surabaya, October 17th, 2020
Head of Biology Department
Faculty of Science and Data Analytics
Institut Teknologi Sepuluh Nopember

Dr. Dewi Hidayati, S.Si, M.Si

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ABSTRACTS of GROUP F **ECOLOGY & ENVIRONMENT**

The 5th International Biology Conference (IBOC) – 2020

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Biology Department
Faculty of Science and Data Analytics
Institut Teknologi Sepuluh Nopember
Surabaya – Indonesia

Mangrove ecotourism development strategy and contribution to increasing the SDGs value in Siak Regency, Riau Province

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Abstract

The mangrove area of Sungai Apit District is a mangrove area that has potential and has begun to be developed by the Siak government. The objective of this research was to formulate strategy of sustainable mangrove ecotourism by four research aspects: (1) identification of ecotourism supply; (2) identification of ecotourism demand, (3) development strategy of mangrove ecotourism, and (4) developing the potential for mangrove ecotourism to increase the SDGs value. This study was carried out from January to April 2010. Supply and demand potential were assessed by criteria analysis of ADO-ODTWA. IFAS/EFAS and SWOT analysis was used to formulate the strategy of mangrove ecotourism development which was based on valuation of ADO-ODTWA aspects. Result showed that feasibility level of tourism attractions (204 point) and supporting elements (472 point) reached high level criteria. It indicated that the site was very potential to be developed as mangrove ecotourism area. Based on IFAS/EFAS and SWOT analysis and grand strategy selection matrix, position of strategy of mangrove ecotourism was on Quadrant I (Strength-Opportunity). The strategy that could be developed were (1) developing special interest mangrove ecotourism product; (2) increasing facilities; (3) increasing quality of human resources; (4) developing network on website and (5) increasing coordination with the Siak Government in mangrove conservation.

Keywords: demand, development strategy, ecotourism, mangrove, supply



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