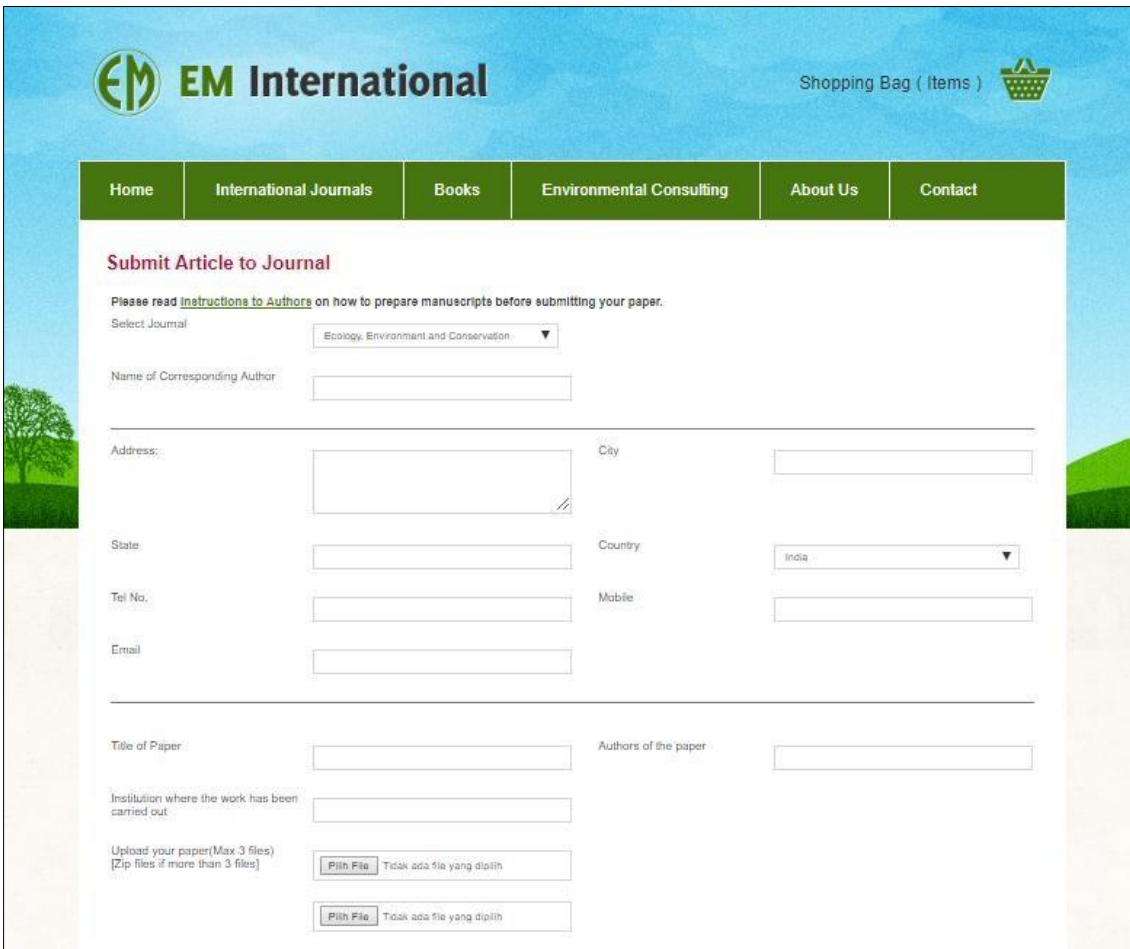


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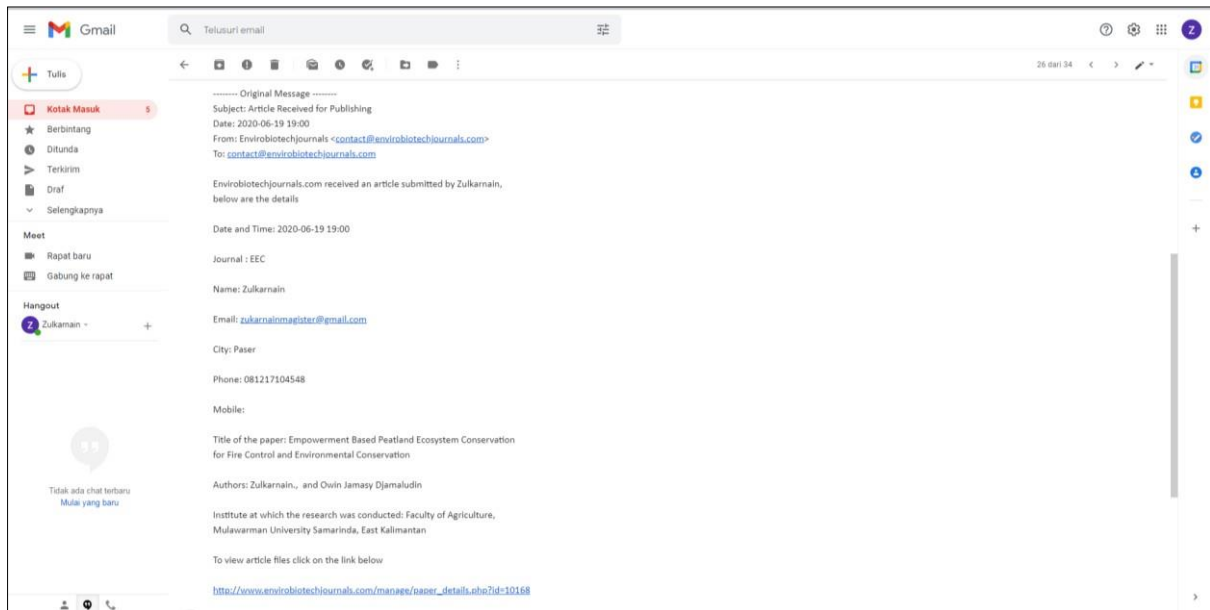
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Author : **Zulkarnain¹, Owin Jamasy Djamaludin²**
¹ Faculty of Agriculture, Mulawarman University Samarinda, East Kalimantan
² School of Management, Asia e University, Subang Jaya, Selangor, Malaysia

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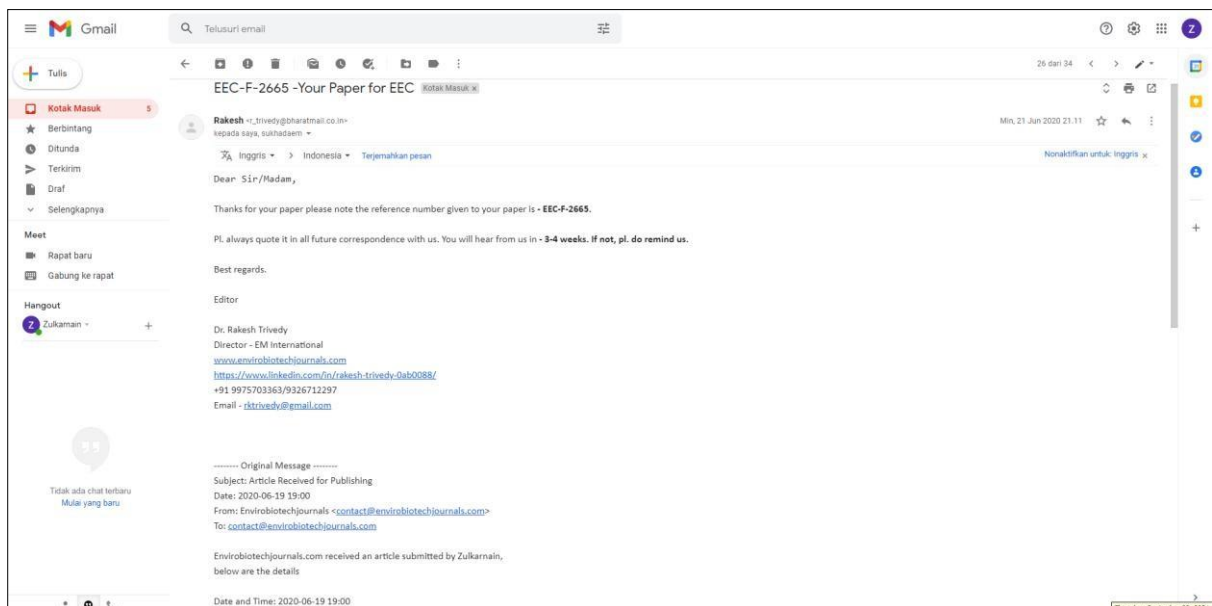
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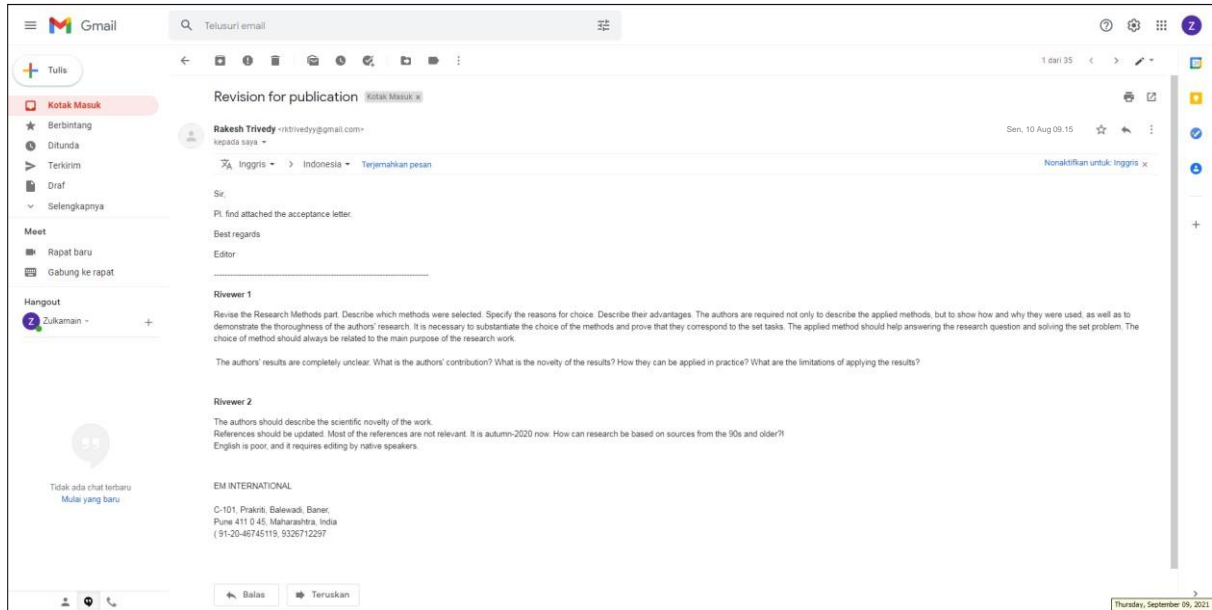
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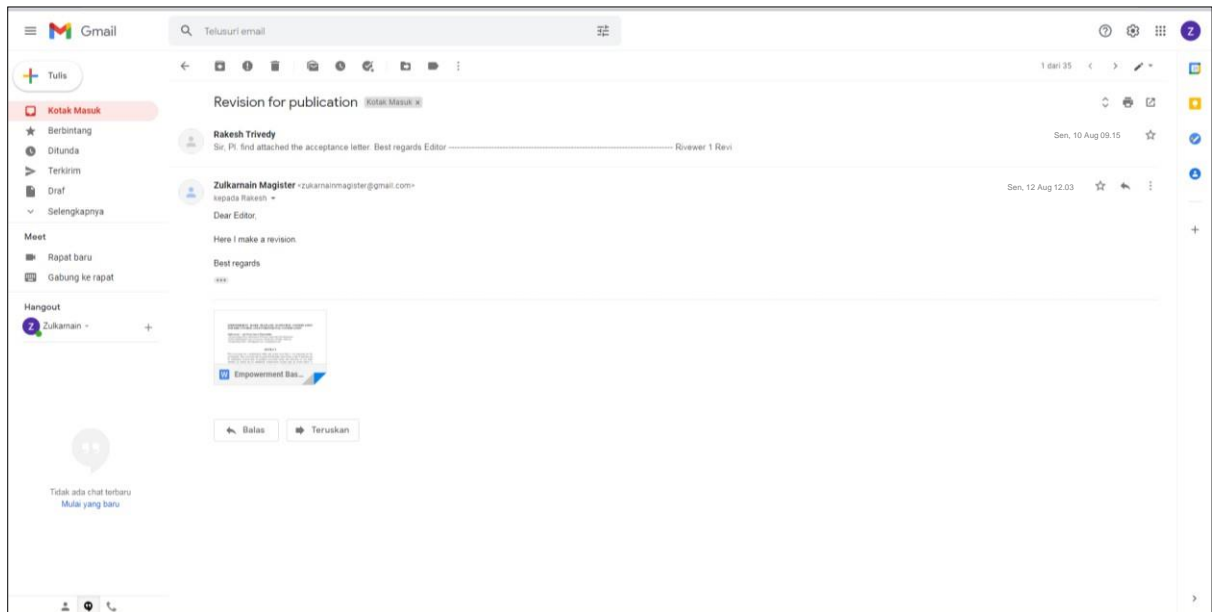


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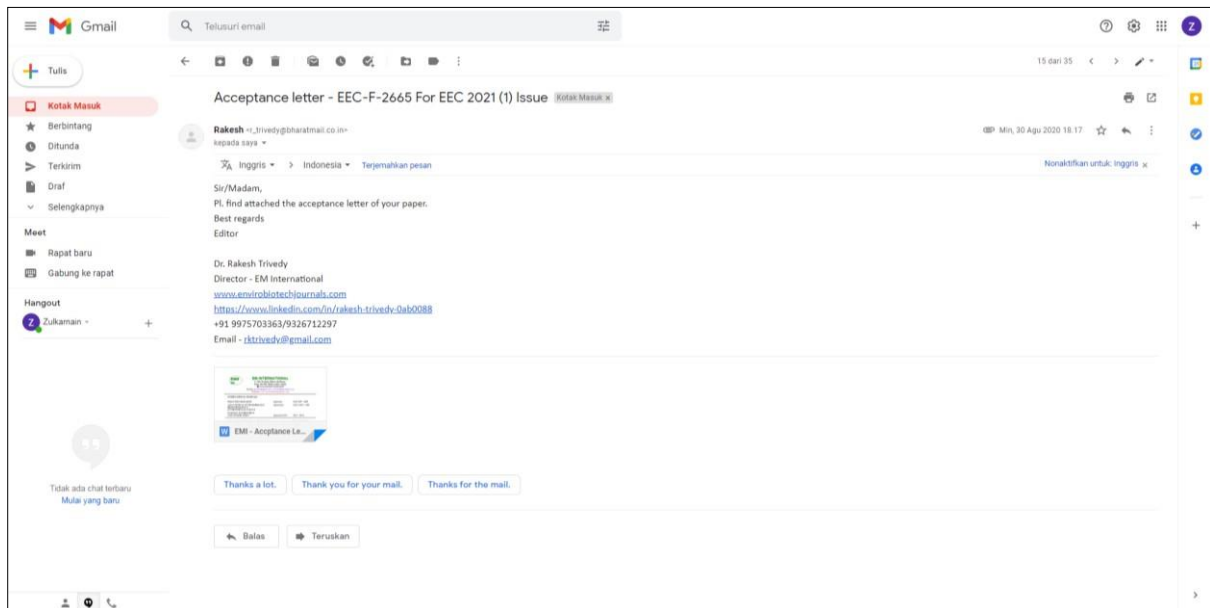


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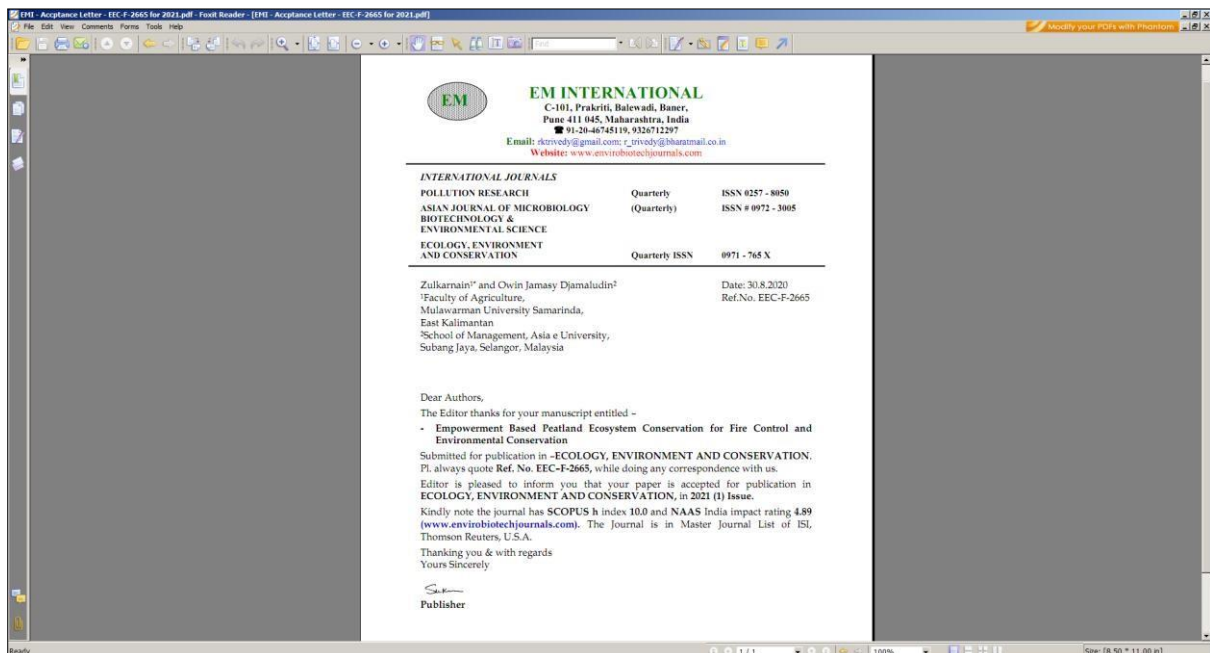
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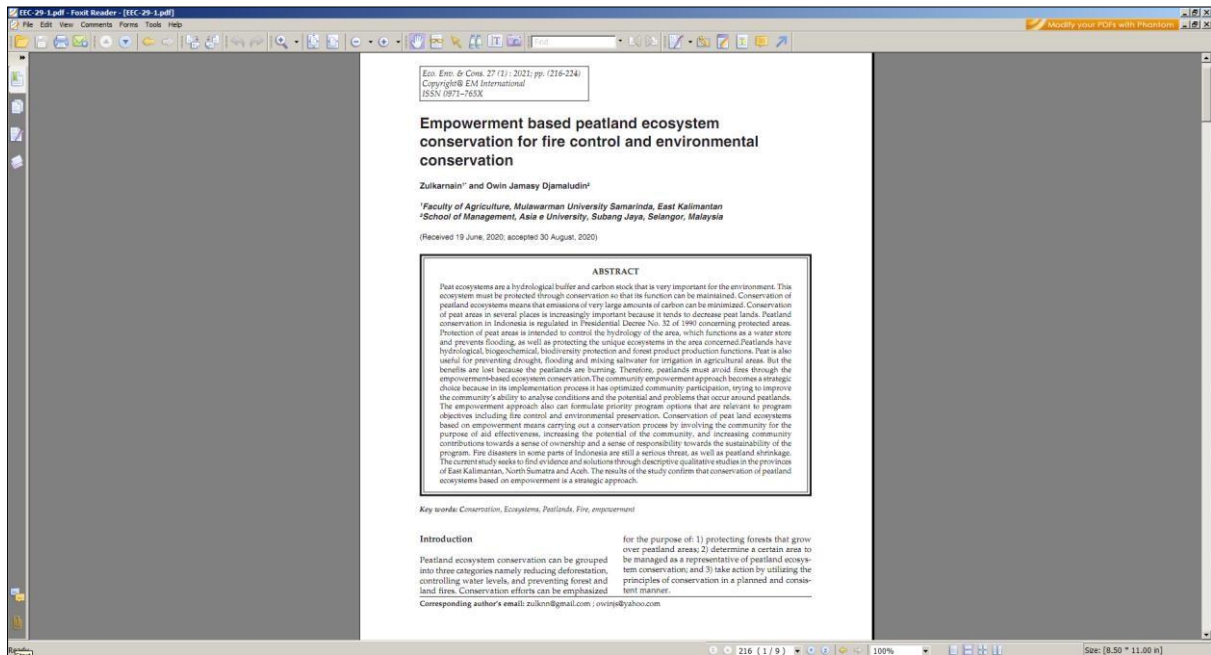


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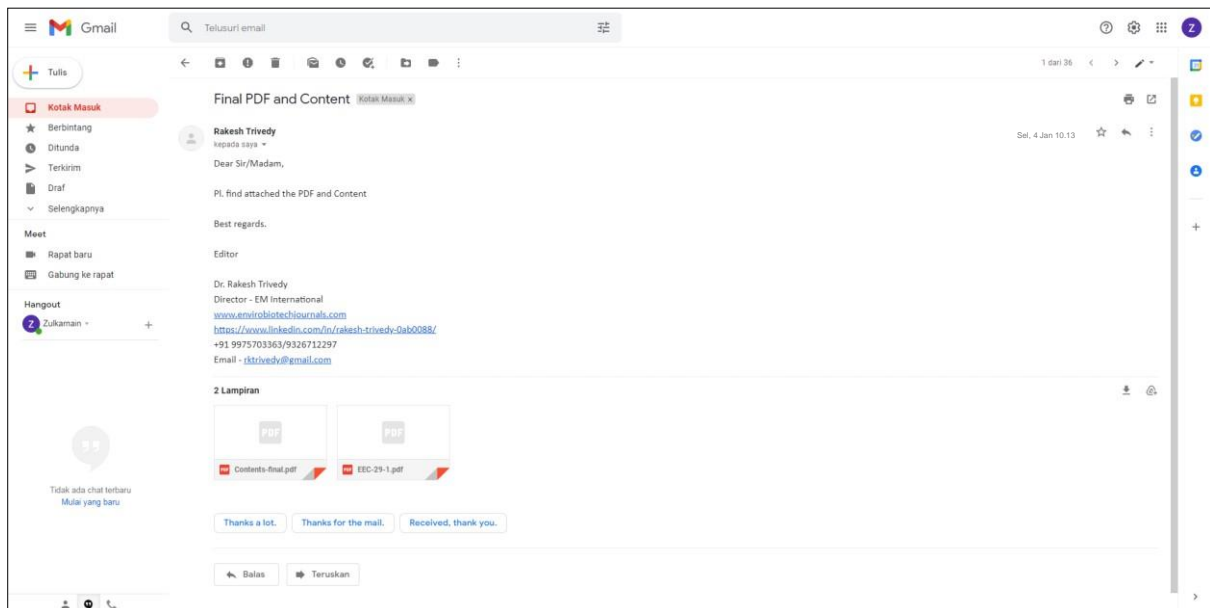


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7. Pada tanggal 4 Januari 2021, editor mengirimkan Final PDF and Content



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ECOLOGY, ENVIRONMENT AND CONSERVATION
VOL. 27 (1) : 2021
CONTENTS

1-17	Associations between anthropogenic activities, forest characteristics and water qualities in the North Selangor Peat Swamp Forest, Selangor, Malaysia —Hamidah Saada, Ahmad Jamali, Syaizuan Zahmir Zulkifli, Amalia Mohd Hashim and Mohammad Nur Akmal Anni
18-23	Study of some factors to tolerance of different environmental stress to sweet corn plants —Ali A. Anst and Ali H. Jaafar
24-28	An International Environmental Court and the International Legalism: An Overview from Legal Context —Kudrat-E-Khuda (Babu)
29-39	Strategy development to improve food security at the household level of rice farmers in South Sulawesi Indonesia —Ida Rosada, Nuriani, Fatma A. Gobel, Farizah D. Amran and Aminah
40-43	Analysis of soil of agricultural field used for rice production with respect to boron and few selected cations of Lakhimpur District of Assam, India —M. Yamin Hassan, Narayanrayan Boragohain and Matibrey Sarma Barbarua
44-53	Rapfish analysis on sustainability status of post-din mining in Jebus subdistrict, West Bangka Regency, Bangka Belitung Islands Province, Indonesia —Fitri Ramdhan Harahap, Ridhah Tanjung, Restu Jannah and Eliza Wildayana
54-60	Effect of different agricultural media and wounding on rooting and growing of Grapes (<i>Vitis vinifera</i> L.) semi wood cutting —Suzaini Ali Husein, Raud Ahmad Medan and Ali Mohammad Noori
61-72	Suitability formulation and prediction of Seaweed (<i>Gracilaria cerrososa</i>) productivity in a Pond area —Sya Dharmausman, Nuzliq Harahab, Muhammad Musa and Soemarno
73-79	Adopting the Water Quality Index to assess the validity of groundwater in Al-Zuhair city southern Iraq for drinking and human consumption —Baqer A. Mubki, Mohammed Saleh Majeed and Raghaf Shubber Jaafar
80-84	Seasonality of litter dwelling microarthropods and their relation with the climatic variables in Acacia Plantation of Cachar District, Assam —Rajesh Chitra Patra and Dinali Chandra Ray
85-91	Identification and analysis of Marine Ecotourism Potential in Pacitan, East Java, Indonesia —Sukandar, C.S.H. Dewi, R.S.Q. Haq and R. Fatmawati
92-97	Thermal power plant discharged wastewater characterization: A case study —Fitra Akhbar, Nasser Hussaini Shah and Sofy Isnan
98-104	Analysis of factors related to flood Mitigation in the Welang Watershed, Pasuruan City —Heri Suroso, Laski Egger Fitri and Yati Sri Hayati
105-107	Biogas production to promote renewable energy - A case study on Bhitlani Area —Amrita Verma Pragnan, Suresh Pragnan, Himanshu Joshi, Nimesh Bhat and Kamal Nayan Joshi
108-114	Bioremediation of metal ions from aqueous solutions using Algae <i>Chlorella</i> sp. —Shareena Nazeer, Marizza Ali Syed and Feroz Shaik
115-122	Attitude and Perception of the Local Community Towards Community based Tourism Development in Har Ki Dun Valley Uttarakhand —Dr. Alka Mehrotra

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IV CONTENTS *Eco. Env. & Cons.* 27 (1) : 2021

347-358	Diversity, vegetation structure and C stocks of inundated riparian forest protected from conversion to oil palm in C. Kalimantan —Cadya Prayogo, Rizky Maulana Ishaq, Mukhammad Khairul Anwar, Diki Suprayogo, Choirul Anshori, Yudha Amara, Bandung Sahari and Kurniatun Hatriah
359-364	Drinking water quality evaluation for groundwater of Delhi, India using GIS techniques —Aqash Raghav and S.K. Singh
365-368	Response of <i>Arvensis sativa</i> L. intercropping with Egyptian clover to different planting density and distances in green fodder yield —Munther Kh. Jabbar and Haydar A. Hasan
369-373	Distribution and population density forest dormouse (<i>Dryomys nitrolinea</i> , Rodentia, Gliridae) in a region of the Middle Volga, Russia —Alexey Andreychev
374-381	Diversity of edible plants in home gardens of the Eastern Cape Province, South Africa —Afrod Maseje
382-393	Pollution in river Ganga due to heavy metal toxicity and various mitigation plans - A Review —Akansha Patel, Vinod Kumar Chaudhary, Anurag Singh, Dhananjai Rai and Naveen Patel
394-396	Spatial diversity of oxides in soil affecting ceramics in Babil Governorate —Moh Kadhim Hassan and Samer Ahmad Alkharfy
397-403	Seasonal variation assessment in physicochemical parameters of Nakatia River, Uttar Pradesh (India) —Deepthi, Archana Bachheti, R. K. Bachheti and V.K. Mishra
404-409	Assessment of water quality supplies in some areas of Basrah Governorate, Iraq —Assam Jasim Muhammad, Nasir Abdullah Aljousfi, Um Alhacen Sadiq Al-Mosawi and Makim M. Al-Hajry
410-415	Effect of sowing date and planting distance on growth and yield of Oat —Zaman S.A. Al-dulaimi, Maher H.S. Al-Asady and Husam S. Ali
416-426	Expression and recombinant protein purification of phycoerythrin α and β subunits from <i>Arthrospira platensis</i> : Antimicrobial activity —Rachanika Hiransachalerl, Kanchara Sittikankaeu, Patchari Yocanubun, Malivan Karako, Chalae Pathomkitchakul, Sirawut Klinbun and Narongrak Pongulap
427-435	Hydrological characteristics analysis of Ogan Watershed, South Sumatra, Indonesia —Itari Ekkiah Pratista, Eddy Broekwin, Edward Sabli and Nguliantoro
436-438	Seasonal microplastic documentation in Kerala mangrove sediments —Manju P. Nair, Minnu Maria Wilson, Jenesa Mathew, Reethy A.V. and Anu Gopinath
439-446	Spatio-Temporal Dynamics of Mangrove Forests in Surabaya from 1996 through 2016 —Sumeru, Dyracette and Tati Marli
447-454	Assessment of forest land degradation by remote Sensing and GIS: A case study of Jaisamand Wildlife Sanctuary, Udaipur (Rajasthan) —Anil Prasad, Nishi Rai and Nirmal Kumar Sharma
455-462	Simulation of Prediction the capacity of Rindang Landfill, Indonesia —Titien Setiyo Rini, Yuwono Budi Pratiknya and Martha Nilam Kusuma
463-471	Empowerment based peatland ecosystem conservation for fire control and environmental conservation —Alimuddin and Fatma Zahara Djumarta
472-480	Analysis of the distribution of Sea Turtle Nesting Grounds based on physical characteristics along the coast of Kerek District, Bantul Regency, Yogyakarta, Indonesia —Rini Fathoni Lestari, Muhammad Kamal and Pramuliyta Wicaksono

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8. Pada bulan **Januari 2021**, artikel dengan judul “Empowerment Based Peatland Ecosystem Conservation for Fire Control and Environmental Conservation” telah Publish online pada **Vol 27, Issue 1 2021; Page No. (463-471)**.

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Vol 27, Issue 1, 2021; Page No.(463-471) [Back](#)

EMPOWERMENT BASED PEATLAND ECOSYSTEM CONSERVATION FOR FIRE CONTROL AND ENVIRONMENTAL CONSERVATION

Zulkaman and Ovin Jamasy Djamaudin

Abstract

Peat ecosystems are a hydrological buffer and carbon stock that is very important for the environment. This ecosystem must be protected through conservation so that its function can be maintained. Conservation of peatland ecosystems means that emissions of very large amounts of carbon can be minimized. Conservation of peat areas in several places is increasingly important because it tends to decrease peat lands. Peatland conservation in Indonesia is regulated in Presidential Decree No. 32 of 1990 concerning protected areas. Protection of peat areas is intended to control the hydrology of the area, which functions as a water store and prevents flooding, as well as protecting the unique ecosystems in the area concerned. Peatlands have hydrological, biogeochemical, biodiversity, protection and forest product production functions. Peat is also useful for preventing drought, flooding and rising salinwater for irrigation in agricultural areas. But the benefits are lost because the peatlands are burning. Therefore, peatlands must avoid fires through the empowerment-based ecosystem conservation. The community empowerment approach becomes a strategic choice because in its implementation process it has optimized community participation, trying to improve the community's ability to analyse conditions and the potential and problems that occur around peatlands. The empowerment approach also can formulate priority program options that are relevant to program objectives including fire control and environmental preservation. Conservation of peat land ecosystems based on empowerment means carrying out a conservation process by involving the community for the purpose of aid effectiveness, increasing the potential of the community, and increasing community contributions towards a sense of ownership and a sense of responsibility towards the sustainability of the program. Fire disasters in some parts of Indonesia are still a serious threat, as well as peatland shrinkage. The current study seeks to find evidence and solutions through descriptive qualitative studies in the provinces of East Kalimantan, North Sumatra and Aceh. The results of the study confirm that conservation of Peatland ecosystems based on empowerment is a strategic approach.

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