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FOREWORD FROM HANDLING EDITOR - 4TH EDITION

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Foreword from Handling Editor – 4th Edition

Dear Readers,

It is very happy for us to present this edition, Volume 3, Number 1, July 2020. Amid the concerns of the Covid-19 pandemic, which influences human life around the globe, we are honor to select and publish the best submitted-papers in the field of environmental science and sustainable development (8 papers from Indonesia, 1 Paper from Philippines, and 1 Paper from Japan).

At the first insight, we present an article with type of Original Research Articles, Opinion Article, and Case-based Articles. For **Original Research Articles**, we have excellent of 6 articles. First Articles is about the innovative suggestion to include environmental topics in the supply chain game (SCM) in an educational setting is written in the article [“LIFE CYCLE ASSESSMENT IN SUPPLY CHAIN MANAGEMENT GAME”](#) by Natalia Hartono, Laurence, and Giovanni Hezekiah Chandra. The final game evaluation results show that there is an increase in the players' knowledge of the four-game objectives through pre-test and post-test conducted before and after playing.

Second article is about clean water. The author, Yuki Mahardhito Adhitya Wardhana, writes, [“ANALYSIS OF EFFECTIVITY SCHEME BASED ON RISK MANAGEMENT AND ACCELERATION OF CLEAN WATER FULFILLMENT IN INDONESIA”](#). Water is still a problem for Indonesia; 27% of Indonesia's population does not have access to clean water (2018). Through this study, the authors develop solutions to accelerate the fulfillment of clean water in Indonesia, while still paying attention to environmental sustainability and balance. The study results show that public-private partnerships (PPP) schemes for water supply projects in Indonesia are feasible, acceptable to banks, and can meet water shortages in Indonesia.

An equally exciting topic, written by Peter Lorenz Salmon, Ronelia Amen, Jan Patrick Aguilar, John Benedict Javellana, and Cheryl Joy Fernandez, with the article [“BORACAY ISLAND DESTINATION IMAGE THROUGH TRAVEL BLOGS”](#). A qualitative study using sources from travel blogs written from January 2013 to February 2018 by visitors of Boracay Island. The study results show that tourism in Boracay faces issues concerning its sustainability, such as threats on inadequate transportation systems, losing cultural identity, uncontrolled urbanization, and unsustainable solid waste management practices.

On the topic of urban, by Mira Esti Kusumaningrum, Tiya Juliani, Khairul Amri, Muhammad Alfian Salmon, and Fenny Roshayanti, we present a paper [“SUSTAINABLE DEVELOPMENT ISSUE IN THE RELOCATION POLICY AT PETERONGAN MARKET, SEMARANG CITY”](#). Market relocation in urban areas still creates many problems. The results showed that the policy was very appropriate from an environmental aspect to curb cleanliness, tidiness, and environmental safety. However, this has not been matched by adequate preparation for the relocation of traders.

Fifth articles is about The Entrepreneurship Program at the University, which includes an environmental perspective, is discussed in a paper entitled [“ECOPRENEURSHIP APPROACH AS A SOLUTION TO ENVIRONMENTAL PROBLEM: IMPLICATION FOR UNIVERSITY ENTREPRENEURSHIP EDUCATION”](#) by Yunita Ismail Masjud.

Lastly on **Original Research Articles**, environmental education is one of our concerns in this edition. The article [“USE OF PROBLEM BASED LEARNING \(PBL\) MODEL TO IMPROVE LEARNING OUTCOMES IN ENVIRONMENTAL EDUCATION”](#) written by Indriyani Rachman, Chika Sugimaru, and Toru Matsumoto, concludes that environmental education using problem-based learning (PBL) methods produces significant changes in environmental knowledge aspects.

For **Opinion Article** we have 1 selected papers about an ecological society, [“THE PERSISTENCE OF AN ECOLOGICAL SOCIETY: IN-DEPTH CRITICAL ANALYSIS OF THE COMMUNITY MOVEMENT IN GERIANA KAUH, KARANGASEM”](#) written by LG. Saraswati Putri. This article investigates the tenacity of the villagers of Geriana Kauh in the Regency of Karangasem, Bali, in preserving their culture and nature. The emergence of modern farming in the 1960s with harmful pesticide and chemical fertilizer has caused danger to the paddy fields ecosystem. Now, they are returning to sustainable agriculture by restoring the traditional rice culture and living with nature.

For **Case-based Articles**, we have 3 selected papers. First article, is about waste. A study of waste on the beach with the title [“EVALUATION OF WASTE MANAGEMENT FACILITIES THROUGH LAND-BASED MARINE LITTER DATA: CASE STUDY OF KENJERAN BEACH, SURABAYA”](#) by Rizal Bahri, Rachmaniyah, and Darjati. The results showed that the significant litter materials collected on each transect were plastic, wood, and paper-cardboard, while the significant litter objects were related to food-beverage, packaging, and others. Authors suggest that the government, as a waste management organizer, is encouraged to expose the policy and education toward the targeted community.

Second, On the topic of sustainable tourism, we present articles by Etty Indrawati, Ratnaningsih Ruchiat, Dwi Indrawati, and Shafira Febriyani, with the title [“INTEGRATED AGRICULTURE BASED AGROTOURISM MODEL WITH ECO-FRIENDLY ENVIRONMENTAL ON CARIK INJEMAN LAND IN CIBODAS VILLAGE”](#). Authors use a qualitative exploratory method to investigate ecological, agricultural, livestock, and social factor concerning the perception of village officials and community leaders on the existence of agrotourism. Based on the study results, the authors propose a zoning system to build a sustainable agrotourism plan.

Last articles as a whole of this journal is about a discussion of urban health environment written by Evi Frimawaty and Muhammad Mundzir Kamiluddin. The paper [“LIVING ROOM VENTILATION AND URBAN ENVIRONMENTAL HEALTH: CASE IN DKI JAKARTA”](#) shows the lack of living room ventilation, if not most prominently, influences the incidence of pneumonia in toddlers. The incidence of pneumonia in toddlers can be reduced by ensuring that the ventilation of the house is >10% of the total space.

We want to express our thanks to the School of Environmental Science, Universitas Indonesia, and reviewers who gave inputs and contributions to improve the quality of the articles. Our greatest thanks are also due to David Febraldo, Hendro Putra Johannes, and Azhar Firdaus for helping us with the publication process and to the Directorate of Administration, Data, and Management of Research Product and Innovation (DADPPRI UI) for providing a journal development grant and proofread assistance through Enago. Finally, we hope that readers enjoy the articles that we present in this edition.

We hope that readers enjoy exploring the papers on this edition and keep healthy and safe.

Best Regards,

Dr. Ahyahudin Sodri

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