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FOREWORD FROM HANDLING EDITOR - 6TH EDITION

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Foreword from Handling Editor – 6th Edition

Dear Readers,

The world is still in trouble facing the Covid-19 Pandemic. In this challenging situation, we are still committed to present this edition as much seventh articles from Indonesia, Japan, and Brazil. These articles are present with Volume 4, Number 1, July 2021.

The first article discusses the smart city. Author, Juliana Rouli from Indonesia wrote [“THE INFLUENCES OF PERCEIVED USEFULNESS AND ONLINE SOCIAL NETWORK ATTRIBUTE ON THE INTENTIONS TO SEEK AND SHARE INFORMATION ON INDONESIA’S SMART CITY DIGITAL PLATFORM.”](#) The study showed the perceived usefulness of smart city information and the residents’ online social network attributes have positive and significant effects on the intention to seek information and intention to share information on smart city websites and apps.

Second article, is about medicines from local production written by Shinta Damerys Sirait and Nicolas M. P. Hutasoit from Indonesia, entitled [“LOCAL HERBAL UTILITY IN SUPPORTING SOME PEOPLE HEALTH SUSTAINABILITY.”](#) The research showed Noni fresh juice contains a relatively high concentration of vitamin C (ascorbic acid) and scopoletin which is known as an important antioxidant and a herbal compound having multy efficasies for health, repectively.

Kevin Riandi also from Indonesia, in the third article, highlight about using an X-Ray that comparison between young and adult patients. He wrote [“X RADIATION DOSE MONITORING FOR ADOLESCENT AND ADULT PATIENTS IN SELECTED HEALTH CARE ENVIRONMENT RELATED PLACES.”](#) The authors stated that the absorbed dose of radiation received on young patients is relatively safe compared to the older age group. There was no significant difference in the value of the absorbed dose between one age group and another.

In the fourth article, in our journal, discussed about municipal waste management strategies. This article written by Qiyam Maulana Binu Soesanto, Laksamana Rayhan Utomo, Indriyani Rachman, and Toru Matsumoto from Japan, with the title [“LIFE CYCLE ASSESSMENT AND COST BENEFIT ANALYSIS OF MUNICIPAL WASTE MANAGEMENT STRATEGIES.”](#) The authors propose of waste management strategies with additional government waste banks established. This will be provided the highest net present value equal to IDR 1,428,622 per tonne of waste managed and was considered the most profitable in terms of the cost-benefit ratio. Hence, this strategy was the most preferred for implementation in Cimahi City.

Another article, we select article about parasite infections that affected in poultry environments. Authors Phebe Amadea Tanuwijaya and David Frebaldo from Indonesia wrote [“PARASITE INFECTIONS IN POULTRY ENVIRONMENTS \(CASE REPORT ON GALLUS DOMESTICUS ENDOPARASITE\).”](#) The results of fecal and microscopic parasite examinations found eggs and worms of the nematodes *Ascaridia galli*, *Heterakis gallinarum*, *Capillaria caudinflata*, *Tetrameres americana*, cestode *Raillietina* sp., And oocyst *Eimeria* sp. the protozoan digestive system. It is recommended that farmers improve cage sanitation and maintenance

management for better poultry environments. Thus, the chickens would not easily infect by endoparasites.

Sixth article from Brazil, we present the article about “[SUSTAINABLE MANAGEMENT OF ELECTRICITY - PRACTICES OF FEDERAL UNIVERSITY OF LAVRAS,](#)” from Isadora Nascimento Della-Sávia Braga, Silvia Costa Ferreira, Marcelo Arriel Rezende, and Joaquim Paulo da Silva. The study present the proposal for the implantation of a microgrid in the internal distribution network and detail the photovoltaic generation system. The evaluation of the energy indicators allowed the definition of priorities for the allocation of investments in the energy efficiency program. In addition, the results were compared to the goals outlined in environmental plan of the university. Finally, the ongoing microgrid project is presented but, to date, there are no significant data on the generation of UFLA's Solar Parking.

For the seventh articles, also from Brazil, in line with the fourth article about waste management, with the title “[CHEMICAL WASTE MANAGEMENT IN EDUCATIONAL INSTITUTIONS.](#)” The Chemical Waste Management Program (CWPM) contributed for UFLA to apply the concept of green chemistry daily. The results from these actions have contributed for the university to reach the second position among most sustainable universities in Latin America. Despite the increase in the amount of treated waste, it is necessary to develop new sustainable treatment methodologies to meet the university's growing demand.

Finally, we want to express our thanks to the School of Environmental Science, Universitas Indonesia, and reviewers who gave inputs and contributions to improve the articles' quality. Our greatest thanks are also due to Directorate of Administration, Data, and Management of Research Product and Innovation Universitas Indonesia, School of Environmental Science Universitas Indonesia, Azhar Firdaus, and Arty Dwi Januari for helping us with the publication process. We hope that readers enjoy exploring the papers in this edition.

Best Regards,

Dr. Ahyahudin Sodri

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