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FOREWORD FROM HANDLING EDITOR - 8TH EDITION

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Dear Readers,

The first issue this year brings together new hope for developing a new economy and sustainable environment of the world. The articles in the Journal of Environmental Science and Sustainable Development Sustainable (JESSD) find various themes and stand on specific interesting topics.

The first article, **FUZZY AHP TO PRIORITIZE STRATEGY FOR SOCIAL ENTERPRISES' SUSTAINABILITY**, provides the study of Social Enterprise (SE) that might be able to pick the best strategies, considering limited resources and changing demand from the ecosystem. This research aims to formulate the priority strategies for SE sustainability. By using a combination of qualitative and quantitative research methods, this research concludes that innovation should be the priority to achieve the sustainability of SE.

The second article, **HYDROCHEMISTRY OF HIGH-MOUNTAIN PAMIR RIVERS: FORMATION, CHANGES, AND INFLUENCE ON THE CHEMICAL COMPOSITION OF IRRIGATION WATER**, analyzed the prospects for agricultural development in the

Central Asian region and Tajikistan in particular, in terms of identifying the main favorable and constraining factors for further agricultural development.

Sustainable Development Goals (SDGs) is still discussed at **SUSTAINABLE DEVELOPMENT GOALS: A BUSINESS OPPORTUNITY**; this article deals with the economic importance of sustainable development, its component, and their impact on the economy and business. The article also substantiates the need to determine the priorities of innovation for sustainable development.

In other topics, our fourth article, **CISADON FOREST COFFEE ECOTOURISM MARKETING MODEL: FIELDS NOTES FIELDS NOTES**, develops a study of marketing of Cisadon Forest Coffee through the ecotourism sector. By involving the indigenous people of Cisadon, this research indirectly also educates the community to understand that the coffee plant that grows in their area is a natural resource that can be utilized for their welfare.

ARE RESIDENTS IN URBAN AREAS OF NIGERIA EXPOSED TO HEALTH-IMPACTING LEVELS OF NOISE POLLUTION? HEALTH-IMPACTING LEVELS OF NOISE POLLUTION? is our sixth article that combines low-cost noise sensors and GIS modeling to conduct a preliminary investigation of the spatiotemporal patterns of noise pollution in a prominent urban area in Nigeria. This article has given the first insight into the spatiotemporal patterns of noise levels across the Enugu Metropolis. It is the first time a spatiotemporal study of noise pollution has been conducted in the city, revealing noise footprints of various parts of the city.

The topic of efficiency such as our seventh article, **DETERMINANTS OF RICE FARMING EFFICIENCY IN KARANGANYAR CENTRAL JAVA IN THE PERIOD OF ONE DECADE AFTER REFORMATION**, found that Farming households need to improve their technical efficiency, allocative efficiency, and economic efficiency. Using the Stochastic Production Frontier, Factors of farmer's age, education, experience in rice farming, type of irrigation, and location (regional elevation) significantly affect the technical inefficiency of rice farming in the Karanganyar district.

The next topic of COVID-19, still carries some new changes, such as the finding of our eighth article, **PERCEPTION OF COVID-19 AND REPRODUCTIVE HEALTH OF FEMALE AND MALE ADOLESCENTS IN URBAN AREAS IN THE SUSTAINABLE DEVELOPMENT GOALS**. This article discusses reproductive health and adolescents' perceptions during the covid-19 pandemic era in urban areas.

The article about children with title **“RANGE OF CHILDREN'S OUTDOOR PLAYING AREA IN DENSELY POPULATED AREA TOWARDS SUSTAINABLE CITY”** in this edition explains the spatial reach of children when playing outdoors and children's perceptions of their playing area.

In tourism sector, which is a sector that try to get back up after the pandemic, still should be our focus. **SUSTAINABLE DEVELOPMENT GOALS IN THE TOURISM INDUSTRY (CASE STUDY OF THE HOSPITALITY INDUSTRY IN CENTRAL KALIMANTAN, INDONESIA)**, is the article in this issue that provide a combination topic of Sustainable Development Goals (SDGs) and Tourism itself.

The second last article on waste management topic in this issue is **“STORAGE AND COLLECTION RIVER DEBRIS PLANNING IN TANGGUL RIVER SURAKARTA CITY, INDONESIA AS SOURCE OF WASTE MANAGEMENT USING THE MULTI-CRITERIA DECISION-MAKING METHOD”**. This study stands on a specific topic of Tanggul River in Surakarta City that is a tributary that empties into the Bengawan Solo River. This study uses direct observation of the study area and performs a decision analysis for alternative processing techniques.

The last topic provides a study of five native/indigenous pioneer species that were evaluated for functional traits such as plant height, branching architecture, leaf dry matter content, specific leaf area, stem density, and bark thickness for supporting a plan for primary restoration species in various denuded areas of the Philippines. This study can be found in the article with the title **“EVALUATING THE FUNCTIONAL TRAITS OF THE PIONEERING SPECIES: INSIGHTS TO FOREST RESTORATION”**.

We thank the School of Environmental Science, Universitas Indonesia, and the reviewers for their feedback and suggestions for improving the quality of the article. Azhar Firdaus, Nova Amalia Sakina, and Anna Ilmika, Department of Administration, Data and Research Products and Innovation, University of Indonesia, are also gratefully acknowledged for their assistance in the publication process.

We hope readers enjoy reading the papers on this issue.

Best Regards,

Dr. Ahyahudin Sodri

Handling Editor – Journal of Environmental Science and Sustainable Development

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