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FOREWORD FROM HANDLING EDITOR - 10TH EDITION

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Dear readers,

Finding the perfect combination to support Sustainable Development Goals (SDGs) must look at various aspects such as the economy, product, environment and community readiness to implement them. The 10th edition of the JESSD Journal is very special because it brings together these combinations.

The first article, “**EXPLORING WOMEN'S INTERESTS IN HOUSEHOLD WASTE DISPOSAL AND MANAGEMENT**”, When the previous research has established the menace of improper household waste disposal in Nigeria. This paper examines women's household waste disposal methods, and their awareness, willingness, and interest in waste management and the recycling process.

Second article, “**LIVING ARRANGEMENT AND HOMEOWNERSHIP IMPACTS ON FERTILITY INTENTION TO ACHIEVE THE SUSTAINABLE DEVELOPMENT GOALS**”. The relationship between living arrangement and homeownership with fertility intention in Indonesia were analyzed in this article. The result shows that women who lived with their parents had a higher odd of having high fertility intention. Women who lived in homes that were not their own had a higher tendency to have high fertility intention.

Third article, “**DIURNAL VARIATIONS OF METEOROLOGICAL ELEMENTS TO FLUCTUATION OF AIR QUALITY PARAMETERS**”, which so interesting that this study seeks to define the relationship between meteorological variables and the diurnal pattern of three pollutants which contributes to the so-called Indeks Standar Pencemar Udara (ISPU), like Air Quality Index (AQI), in a remote area in Bukit Kototabang, West Sumatra, Indonesia.

The research that aims to compare the procedural features along with environmental and socio-economic aspect coverage of Indonesia EIA against the IFC (IFC PS) ESIA is our fourth article entitled “**A COMPARATIVE STUDY OF DIFFERENT PRACTICES IN ENVIRONMENTAL IMPACT ASSESSMENT**”. The research also found that EIA is lacking in covering aspects of ecosystem services, labor, groundwater, landscape and visual impacts, cultural heritage, community safety and security, and non-routine activity or unplanned events.

Our Fifth article focuses on the water hammer analysis of ash slurry conveying pipes. The title of this article is “**WATERHAMMER ANALYSIS FOR ASH SLURRY DISPOSAL PIPELINES OF A THERMAL POWER SYSTEM**”. HAMMER and WaterGEMS softwares were carried out the hydraulic analysis of such pipelines and to monitor the maximum transient pressure head being developed.

Sixth article entitled “**THE EFFECT OF DIFFERENT NATURAL WAXES TO HYDROPHOBIC PROPERTIES OF STARCH-BASED BIODEGRADABLE FOAMS**” focus on assess the effect of incorporating natural waxes as a coating material in producing biodegradable foams. The result shows that the surface modification of starch-based biodegradable foams with natural waxes significantly improved water absorbency and water solubility.

Hygienity is the focus of our Seventh article with the title “**AWARENESS CAMPAIGNS AND HAND HYGIENE PRACTICE AMONG SECONDARY SCHOOL STUDENTS**”.

The phenomena of Nigeria's low level of sanitation hygiene provoked the increasing prevalence and containment of infectious diseases such as bird flu, acute respiratory infections, Ebola, Lassa fever, polio, diarrheal, pneumonia, and dysentery inspired this theme.

As widely known that the Indonesian batik is an intangible cultural heritage which contributes to the economics of the country. Nevertheless, Synthetic dyes from the production processes are the cause of the pollution. The natural counterpart is recommended to replace it because natural dyes are more eco-friendly than the synthetic ones. Our eighth article entitled **“ADDRESSING THE DEBATE ON THE ECO-FRIENDLINESS OF INDONESIAN BATIK BY WATER FOOTPRINT APPROACH”**, will focus on this topic.

In different topic, the ninth article entitled **“BUDGETING AND CATALOGING ENHANCEMENT FOR SMALL AND MEDIUM-SIZED ENTERPRISES TOWARDS SUSTAINABLE DEVELOPMENT GOALS”** describes a business coaching activity for a small and medium enterprises (SME) in chemical and waste management industries.

“REPRODUCTIVE BIOLOGY OF RASBORA PHILIPPINA AT LAKE WOOD FOR BASIS MANAGEMENT” is our tenth article. This study aimed to fill in the gap of managing the population of this endemic species and in formulating recommendations for fisheries management and conservation through investigating its reproductive biology that would be relevant for effective and rational management of this fish resource.

Eleventh article entitled **“RIVER MEANDERS ON ALLUVIAL PLAINS AND HILLY TOPOGRAPHY”** is a research article in this issue. This study aims to investigate different meandering types in Java and establish regional connections between these types and geological and geomorphological processes.

In the last article of this issue, our twelfth article entitled **“SEAWEED AS BIOADSORBENT FOR NITROGEN AND PHOSPHORUS REMOVAL”** focuses on the topic of Aquaculture waste which is one of the drivers of eutrophication. This article is expected to be useful as a basis for selecting seaweed to be used as a bioremediation agent.

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 in this issue.

Best Regards,

Dr. Ahyahudin Sodri

Handling Editor – Journal of Environmental Science and Sustainable Development

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