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Foreword

We are pleased to present the EPI International Journal of Engineering (EPI-IJE) Volume 4 Number 2 August 2021. In order to shorten the publication time, there is a slight change in this edition where each manuscript is arranged not based on the topic similarity but on the manuscript acceptance date. By doing this, we hope the accepted manuscript can be uploaded earlier on the journal website.

This edition consists of 12 manuscripts. The first 2 (two) manuscripts are related to mechanical engineering which are about the simulation of aluminum alloy flange reducer cast and about the investigation of LED bulb light as photon energy on a photovoltaic panel installed inside buildings. The third manuscript is about the study of environmental carrying capacity on the development of formal housing in Moncongloe district, Maros regency.

The next 2 (two) manuscripts are related to monitoring and control systems. They are about a prototype of a self-adaptive traffic light control system using cameras and the development of an earthquake simulator. They are followed by other 2 (two) manuscripts related to urban development and architecture. They studied the effectiveness of utilizing non-green public space in fishermen's settlements and analysis of the floodlight lighting effect on the visual quality of the tower building facade.

The eighth manuscript evaluated the achievement of the production target using the fishbone diagram method at a site in South Sumatera province. It is followed by a manuscript that conducted a feasibility analysis of the runway, taxiway, and apron dimensions of an airport in Fakfak Regency, Papua. There are again 2 (two) next manuscripts related to architecture. They are studying the characteristics of the traditional house of the Tolaki tribe and about the impact of local wisdom on the coastal settlement spatial configuration in the city of Parepare. The last manuscript investigated the free vibration characteristics of thin spherical shells.

We are thankful to all authors who have contributed manuscripts to this edition. We also really appreciate all other people and institutions for their ongoing support for the EPI journal publication. We hope the published manuscripts will have a positive contribution to the future development of science and technology.

Warm regards,

Prof. Baharuddin Hamzah
Editor-in-Chief of EPI-IJE

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