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EDITORIAL

Journal on Optimization of Systems at Industries (JOSI) Volume 20 Number 2 2021 consists of eight articles. Most of the articles in this edition were case studies from various sectors in Industry. The first article analyzed the university's internal factors on academic entrepreneurship. This research uses a quantitative approach with Structural Equation Modelling (SEM) methods. The result obtained that the control system exerts a positive and negative influence on academic entrepreneurship.

The second article predict and estimate the market share of electric motorcycles by considering life cycle cost per kilometer. System dynamics simulations are developed to model the adoption-diffusion of electric motorcycles in Indonesia. Based on the scenario, the provision of retail price subsidy and a decrease in electricity price can increase the value of the EM Market Share. Next article identify and analyze the impact of e-commerce adoption on the performance of micro, small and medium enterprises (MSMEs). The TOE model framework is used, but the individual context is added as a criticism of the framework as an influential factor in e-commerce adoption. As a result, MSME owners are advised to use explicit competitive strategies through various activities carried out by the functional departments of the organization.

The fifth article aims to evaluate the vibration exposure experienced by workers in the Urea Granulation Screen Unit (UGSU) at the fertilizer factory in Aceh, Indonesia. The result of vibration exposure on this body part shows the highest value of 3.437 m/s^2 . To minimize occupational diseases and accidents, it is necessary to manage a working system that takes into account legal standards, ideal working time, and working shifts in the work area. Another article related to the operational research. This article analyze and determine the relevant priority criteria for selecting suppliers of rolling stock spare parts for railway companies. A total of 13 criteria from 19 alternative criteria have been selected for railway companies, especially in selecting rolling stock spare parts suppliers.

Next article presents a multi-response optimization method that uses the grey-based Taguchi method as the integrative product form design optimization method, and it serves as a tool for product form design to determine the optimal combination of design parameters in Kansei engineering (KE). The results show that the grey-based TM can deal with optimization problems with multiple Kansei responses and determine an optimal car form design that is representative of the consumers' perception in a systematic manner. The last article proposes a hybrid procedure to solve Green Supplier Selection and Order Allocation (GSSOA). A case study on the food industry in Malang, Indonesia, was conducted to apply this procedure. The results showed that the low defects rate criterion is the most important compared to other criteria.

JOSI editorial team would like to thank all the authors who have contributed to this edition. Thank you also goes to the reviewers who have worked hard to improve the quality of all articles in this edition. All of these articles will contribute to the transition of ideas and knowledge in the field of Industrial Engineering.

Hilma Raimona Zadry

Editor in Chief