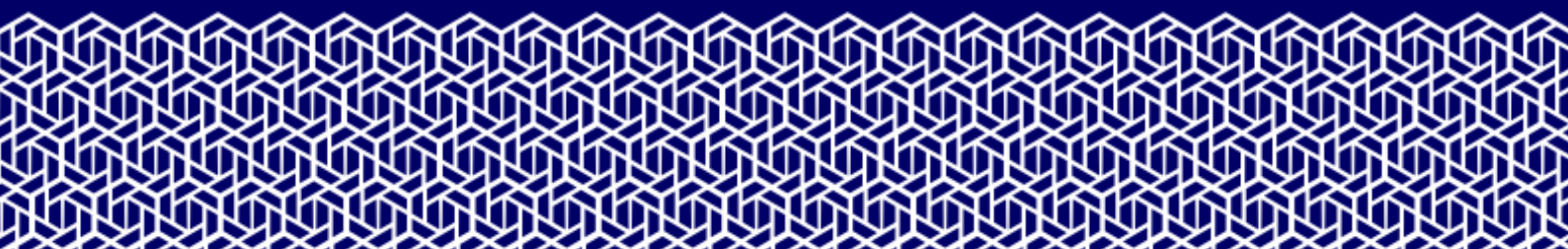


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## Preface

All Praise belongs to Allah SWT who has bestowed infinite blessings and gifts on all of us. OPSI is an Industrial System Optimization Journal published by the Industrial Engineering Department of Universitas Pembangunan Nasional "Veteran" Yogyakarta to publish scientific works or technological engineering research related to Industrial Engineering, Industrial Systems, Industrial Management and Information Technology.

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Editor would like to appreciate all researchers, academicians, industrial practitioners who contribute in Opsi journal as Author, Reviewer and Reader. We hope that this Journal will provide the greatest benefit to the science and engineering. The editor realizes that this journal, still requires improvements in various places, therefore the editors always expects input from the contributor to provide suggestions, and ideas for the higher achievement.

Yogyakarta, June 2023

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