

P-ISSN: 3047-4558

E-ISSN: 3047-4566



International Journal of Mechanical, Industrial and Control Systems Engineering



#### Publihed by:

#### **IJMICSE**

# INTERNATIONAL JOURNAL OF MECHANICAL, INDUSTRIAL AND CONTROL SYSTEMS ENGINEERING VOLUME 1 NO. 4 DECEMBER 2024

#### FOCUS AND SCOPE OF THE JOURNAL

**International Journal of Mechanical, Industrial and Control Systems Engineering**[e-ISSN: 3047-4566, p-ISSN: 3047-4558]. This journal accepts manuscripts based on empirical research results, new scientific literature review, and comments/ criticism of scientific papers published by **International Journal of Mechanical, Industrial and Control Systems Engineering.** This journal is a means of publication and a place to share research and development work in the field of Mechanical, Industrial and Control Systems Engineering.

Articles published in **International Journal of Mechanical, Industrial and Control Systems Engineering** are processed fully online. Submitted articles will go through peer review by a qualified international Reviewers. Complete information for article submission and other instructions are available in each issue.

International Journal of Mechanical, Industrial and Control Systems Engineering publishes 4 (four) issues a year in March, June, September, December, however articles that have been declared accepted will be queued in the In-Press issue before published in the determined time.

#### FOCUS AND SCOPE OF THE JOURNAL

International Journal of Mechanical, Industrial and Control Systems Engineering [e-ISSN: 3047-4566, p-ISSN: 3047-4558]:

https://international.aritekin.or.id/index.php/IJMICSE\_is a peer-reviewed journal that has been indexed by several reputable indexers, including: Google Scholar; Digital Reference Guard (GARUDA); Copernicus; Dimensions; Connecting Research and Researchers (ORCID); DOI Crossref.













E-ISSN: 3047-4566 P-ISSN: 3047-4558 Available online at: https://international.aritekin.or.id/index.php/IJMICSE

#### **IJMICSE**

E-ISSN: 3047-4566

P-ISSN: 3047-4558

## INTERNATIONAL JOURNAL OF MECHANICAL, INDUSTRIAL AND CONTROL SYSTEMS ENGINEERING VOLUME 1 NO. 4 DECEMBER 2024

#### **Editor in Chief**

Dr. Purwanto, S.T., M.Eng; Universitas Maritim AMNI Semarang, Indonesia

#### **Editorial Board**

Mr. Aashish Dhiman; Shobhit Institute of Engineering & Technology (Deemed to-be-University), Meerut, India.

Ms. Syeda Azwa Asif; Karachi Central District, Sindh, Pakistan

Assist. Prof. Dr. Ali Z. Ghazi Zahid; Faculty of Engineering, University of Kufa, Najaf, Iraq

Dr. Ir. Mohammad Yani, S.T., M.T., M.Sc; Politeknik Negeri Indramayu

Dr. Anang Kukuh Adisusilo, ST., MT; Universitas Wijaya Kusuma Surabaya

Dr. Ratnadewi, S.T., M.T.; Universitas Kristen Maranatha

#### **Reviewer Board Member**

Subrata Modak ; Supreme Knowledge Foundation Group of Institutions, Hooghly, West Bengal, India

Dr M S Aswathanarayan ; VIsvesvaraya Technological University, Belagavi, Karnataka Engr. Farooq Iqbal, Assistant Professor ; Hamdard University, Karachi, Pakistan Dr. Ir. Nur Azizah Affandy, ST., MT. ; Universitas Islam Lamongan Dr. Masdiana, ST., MT. ; Universitas Halu Oleo

DR. Ujang Sudiartono, S.T., M.T.; Pemkab Tangerang

#### **Publisher:**

Asosiasi Riset Ilmu Teknik Indonesia Alamat: Perum. Cluster G11 Nomor 17, Jl. Plamongan Indah, Kadungwringin, Kedungwringin, Pedurungan, Semarang City, Central Java 50195

E-ISSN: 3047-4566 P-ISSN: 3047-4558

**IJMICSE** 

INTERNATIONAL JOURNAL OF MECHANICAL, INDUSTRIAL AND CONTROL

**SYSTEMS ENGINEERING** 

**VOLUME 1 NO. 4 DECEMBER 2024** 

**FOREWORD** 

International Journal of Mechanical, Industrial and Control Systems Engineering which

has E-ISSN number: 3063-8445; P-ISSN: 3063-9514. The International Journal of Mechanical,

Industrial and Control Systems Engineering, is published four times a year. Editors accept

scientific articles, research results, and their ideas and applications in the field of Mechanical,

Industrial and Control Systems Engineering.

The International Journal of Mechanical, Industrial and Control Systems Engineering

published the only paper that strictly followed the guidelines and templates for the preparation

of the manuscript. All submitted manuscripts will go through a double-blind peer review

process. The paper is read by the editorial board (according to the area of specialization) and

will be screened by the Managing Editor to meet the criteria required for publication.

Manuscripts will be sent to two reviewers based on their historical experience in reviewing

manuscripts or based on their area of specialization. The International Journal of Mechanical,

Industrial and Control Systems Engineering has reviewed the form to keep the same item

reviewed by two reviewers. Then the editorial board makes a decision on the reviewer's

comments or suggestions.

Reviewers provide assessments on originality, clarity of presentation, contribution to

the field/science. This journal publishes research articles with Science in the field of

Mechanical, Industrial and Control Systems Engineering. Other relevant fields. The article to

be published is an original work and has never been published. The entry article will be

reviewed by a team of internal and external reviewers.

The Editorial Board also expects scientific articles from readers to be published after

going through a review process by the Editorial Board and/or Bestari Partners.

Greeting

Editor-in-Chief

Available online at: https://international.aritekin.or.id/index.php/IJMICSE

#### **IJMICSE**

E-ISSN: 3047-4566 P-ISSN: 3047-4558

### INTERNATIONAL JOURNAL OF MECHANICAL, INDUSTRIAL AND CONTROL SYSTEMS ENGINEERING

#### **VOLUME 1 NO. 4 DECEMBER 2024**

#### **TABLE OF CONTENTS**

Focus and Scope of the Journal	I
Tim Editor	II
Foreword Table of Contents	III IV
Table of Contents	1 V
Chain Performance Analysis Supply Using the Balanced Scorecard Method in the Kachi Milk Beverage Business	Hal 01-15
Muhamad Rizky	
Optimization of Job Training in Improving Yantek Performance at PT XYZ With ADDIE Model Design	Hal 16-22
Aneke Putri Nadila, Hafid Syaifullah	
Application Of Swot Analysis To Pt Xyz's Performance Improvement Strategy In Marketing And Customer Service Division Salma Putria Nabila, Akmal Suryadi	Hal 23-33
Saima Funta Naona, Akinai Suryadi	
Collar Manufacturing Process With Turret Machine Muhammad Yusuf Nurfani	Hal 34-42
Welding Quality Control Using The Sqc (Statistical Quality Control) Method In An Effort To Minimize The Occurrence Of Rejects At Pt.Xyz Novita Ramadayanti, Akmal Suryadi	Hal 43-55
Operational Risk Mitigation Strategy in the Engineering Department : A Case Study of PT XYZ Salisyah Salsabilah, Nur Rahmawati	Hal 56-64
•	Hal 65-71

Performance Analysis Of Marketing and Customer Service Division Using The Hal 65-71 5W1H Method and Fishbone Diagram At PT XYZ

Muhammad Alfafa Rizky, Sumiati Sumiati

Optimization of Production of A350 Aircraft Wing Components With Hal 72-81 Interpretive Structural Modeling Diagram at PT XYZ

Annisa Maudi Syafitri, Dira Ernawati

International Journal of Mechanical, Industrial and Control Systems Engineering E-ISSN: 3047-4566 P-ISSN: 3047-4558

Asosiasi Riset Ilmu Teknik Indonesia

Available online at: https://international.aritekin.or.id/index.php/IJMICSE

#### **IJMICSE**

### INTERNATIONAL JOURNAL OF MECHANICAL, INDUSTRIAL AND CONTROL **SYSTEMS ENGINEERING**

#### **VOLUME 1 NO. 4 DECEMBER 2024**

Performance Analysis Of Marketing and Customer Service Division Using The Hal 82-91 5W1H Method and Fishbone Diagram At PT XYZ Rifky Adji Fadlani

Hassan Rahmatillah, Yekti Condro Winursito