

IJIIME

International Journal of
Industrial Innovation and
Mechanical Engineering
Vol. 1 No. 3 August 2024

published by:

Asosiasi Riset Ilmu Teknik Indonesia (ARITEKIN)

address: Alamat : Perum Dempel Perak No. 54, RT. 010, RW. 025,

Kel. Muktiharjo Kidul, Kec. Pedurungan, Kota Semarang, Jawa Tengah, Indonesia

Website : <https://aritekin.or.id> email : info@aritekin.or.id

**INTERNATIONAL JOURNAL OF INDUSTRIAL INNOVATION AND
MECHANICAL ENGINEERING
VOLUME 1 NUMBER 3 AUGUST 2024**

FOCUS AND SCOPE OF THE JOURNAL

International Journal of Industrial Innovation and Mechanical Engineering. This journal is published by the Asosiasi Riset Ilmu Teknik Indonesia. This journal is a peer-reviewed and open research journal of the Engineering Science Clump. The fields of study in this journal include the sub-groups of Civil Engineering and Spatial Planning, Engineering, Electrical and Computer Engineering, Earth and Marine Engineering. Articles submitted will go through a selection process for bestari partners and/or editors. This journal is published 1 year 4 times (February, May, August, November)

International Journal of Industrial Innovation and Mechanical Engineering. Articles published in the Proceedings of the International Journal of Industrial Innovation and Mechanical Engineering include original scientific research results (priority), new scientific review articles (not priority), or comments or criticisms of articles in the International Journal of Mechanical, Electrical and Civil Engineering. International Journal of Industrial Innovation and Mechanical Engineering accept manuscripts or articles from various academics and researchers, both nationally and internationally.

Articles published in the journal are articles that have gone through a peer-review process by Partners. Proceedings of the International Journal of Industrial Innovation and Mechanical Engineering only accepts articles originating from original research results (priority) and new scientific review articles (non-priority). The decision to accept or reject scientific articles in this journal is the right of the Editorial Board based on the recommendations of Reviewer Partners.

JOURNAL INDEXATION INFORMATION

International Journal of Industrial Innovation and Mechanical Engineering with E-ISSN: 3047-4515 and P-ISSN: 3047-4507: <https://international.aritekin.or.id/index.php/IJIME> is a peer-reviewed journal that has been indexed in several reputable indexers, including: Google Scholar; Garuda Rujukan Digital (GARUDA); Copernicus; Dimensions; Connecting Research and Researchers (ORCID); DOI Crossref.



**INTERNATIONAL JOURNAL OF INDUSTRIAL INNOVATION AND
MECHANICAL ENGINEERING
VOLUME 1 NUMBER 3 AUGUST 2024**

EDITORIAL TEAM

Editor-in-Chief

Dr. Fidel Miro, S.E., M.T ; Universitas Bung Hatta, Padang, Indonesia

Editorial Board/ Editorial Board Members

Dr. Rakesh Kumar ER; Texila American University, Guyana

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

Sukhpreet Singh ; Guru Kashi University, India

Dr. Hermawan, ST, MM, MT ; Universitas Sains Al-Qur'an, Indonesia

Dr. Adnan, ST., MT ; Universitas Muhammadiyah Parepare, Indonesia

Dr. Ir. Dwi Irawan, ST., MT ; Universitas Muhammadiyah Metro, Indonesia

Reviewer / Bestari Partner

Dr. Dheeraj Mandloi ; Institute of Engineering and Technology, India

Dr. Myasar Salim Alattar ; University of Mosul-College of Engineering, Iraq

Munir Ahmad ; University of Malaysia, Sarawak, Malaysia

Ir. Rani Aulia Imran, S.T., M.T. ; Universitas Jenderal Soedirman, Indonesia

Bahdin Ahad Badia, ST., MT ; Universitas Halu Oleo, Indonesia

Astari Wulandari, ST, MT ; Universitas 17 Agustus 1945 Semarang, Indonesia

Publisher:

ASOSIASI RISET ILMU TEKNIK INDONESIA

Alamat : Perum Dempel Perak No. 54, RT. 010, RW. 025, Kel. Muktiharjo Kidul, Kec. Pedurungan,
Kota Semarang, Jawa Tengah, Indonesia

Website : <https://aritekin.or.id>; email : info@aritekin.or.id

**INTERNATIONAL JOURNAL OF INDUSTRIAL INNOVATION AND
MECHANICAL ENGINEERING
VOLUME 1 NUMBER 3 AUGUST 2024**

FOREWORD

International Journal of Industrial Innovation and Mechanical Engineering. This journal is published by the Asosiasi Riset Ilmu Teknik Indonesia. This journal is a peer-reviewed and open research journal of the Engineering Science Clump. The fields of study in this journal include the sub-groups of Civil Engineering and Spatial Planning, Engineering, Electrical and Computer Engineering, Earth and Marine Engineering. Articles submitted will go through a selection process for bestari partners and/or editors. This journal is published 1 year 4 times (February, May, August, November)

Reviewers provide an assessment of originality, clarity of presentation, contribution to the field/science. This journal publishes research articles, review articles/literature reviews, case reports and concept/policy articles, in all Proceedings of the International Journal of Industrial Innovation and Mechanical Engineering accept articles in English and Indonesian. Articles to be published are original works and have not been published before. Entry articles will be reviewed by internal and external review teams. International Journal of Industrial Innovation and Mechanical Engineering accept articles in English and Indonesian.

The Editorial Board will strive to continuously improve the quality of this journal so that it can become a valuable reference for the development of scientific knowledge. We extend our deepest appreciation and gratitude to the reviewers, members of the Editorial Board, and all parties involved in the publication of this journal.

Greetings

Editor-in-Chief

**INTERNATIONAL JOURNAL OF INDUSTRIAL INNOVATION AND
MECHANICAL ENGINEERING
VOLUME 1 NUMBER 3 AUGUST 2024**

LIST OF CONTENTS

Focus and Scope of Journal	I
Editorial Team	II
Foreword	III
List of contents	IV

**The Effect Of Use Of Roler Size And CVT Spring Variations On Hal 01-09
Engine Performance**

Yuniarto Agus Winoko, Malang State Polytechnic, Indonesia

Aji Irwanda, Malang State Polytechnic, Guadeloupe

**Implementation of VGG6 for Image Processing of Aromatic Hal 10-18
Plants Using Python**

Adriana Sari Aryani, Universitas Pakuan, Indonesia

Irfan Wahyudin, Universitas Pakuan, Indonesia

Kotim Subandi, Universitas Pakuan, Indonesia

**Comparative Analysis Of Aqua MODIS and VIIRS Sensors In Hal 19-33
Mapping Chlorophyll-A Concentration and Sea Surface Temperature
In The South Coast Of East Java**

Fitrah Alfi Syah Alam, Universitas Pembangunan Nasiona Veteran Jawa Timur, Indonesia

Hendrata Wibisana, Universitas Pembangunan Nasional Veteran Jawa Timur, Indonesia

**Compressive Strength Of Mortar Mixing Sea Sand With Portland Hal 34-45
Cement Composite (PCC)**

Adnan Adnan, Universitas Muhammadiyah, Indonesia

Project Scheduling

Alfonsus Fung Abimanyu Wicaksono, Universitas Pembangunan Nasional “Veteran” Jawa Timur, Indonesia

I Nyoman Dita Pahang Putra, Universitas Pembangunan Nasional “Veteran” Jawa Timur, Indonesia