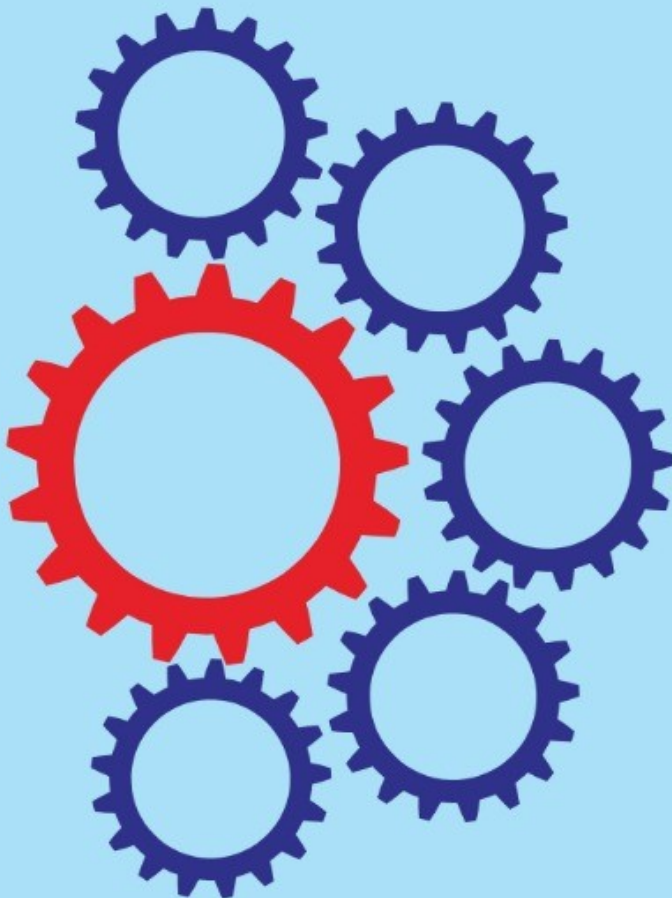




IJIEM - Indonesia Journal of
Industrial Engineering
& Management



Vol. 4 No. 2 June 2023



IJIEM - Indonesian Journal of Industrial Engineering & Management
Program Pascasarjana, Magister Teknik Industri
Universitas Mercu Buana Kampus Menteng - Gedung Tedja Buana,
Floor 4th, Jl. Menteng Raya No. 29, Jakarta Pusat - Indonesia
Telp: +62 21 31935454, Fax: +62 21 31934474
<http://publikasi.mercubuana.ac.id/index.php/ijiem>



IJIEM

Indonesian Journal of Industrial Engineering and Management

Editor in Chief

Humiras Hardi Purba Mercu Buana University, Indonesia

Editorial Board

Hasbullah Mercu Buana University, Indonesia
Zulfa Fitri Ikatrinasari Mercu Buana University, Indonesia
Sawarni Hasibuan Mercu Buana University, Indonesia
Choesnul Jaqin Mercu Buana University, Indonesia
Aris Trimarjoko STT Yuppentek, Tangerang, Indonesia
Bayu Hari Nugroho Nusantara Re, Indonesia

Reviewer

Meike Elsy Beatrix Mercu Buana University, Indonesia
Selamat Walmanto Hia Sepuluh Nopember Institute of Technology, Indonesia
Arini Anestesia Purba Kalimantan Institute of Technology, Indonesia
Sudalyanto Sudalyanto Mercu Buana University, Indonesia
Erry Rimawan Mercu Buana University, Indonesia
Hibarkah Kurnia Universitas Pelia Bangsa, Cikarang – Bekasi, Indonesia
Indah Victoria Sandroto Maranatha University, Indonesia
Siwaporn Kunnapapdeelert Burapha University, Chonburi – Thailand
Alexander Purba Lampung University, Indonesia
Muhammad Asrol Bina Nusantara University, Indonesia
Jacky Chin Mercu Buana University, Indonesia
Anastasia Lidya Maukar President University, Bekasi - Indonesia
Siti Aisyah Polytechnic STMI, Ministry of Industry, Indonesia
Fransisca Debora Singaperbangsa University, Indonesia Paduloh
Paduloh Bhayangkara Jakarta Raya University, Indonesia
Lukmandono Institut Teknologi Adhi Tama, Indonesia
Aina Nindiani Buana Perjuangan University, Karawang-Indonesia
Salmon Tampubolon Mercu Buana University, Indonesia
Tanto Pratondo Utomo Lampung University, Indonesia
Amit Rakshit Institute of Engineering and Management, Mankar - India
Sankar Prasad Mondal Maulana Abul Kalam Azad University of Technology, India

Secretariat

Arie Pangudi Mercu Buana University, Indonesia

Description

IJIEM is a peer-reviewed journal published 3 times a year in February, June and October. The IJIEM publishes articles containing theoretical and empirical original research papers, review papers, and literature reviews that are closely related to the fields of Industrial Engineering, Supply chain, Engineering System and Operation Management. The IJIEM has been accredited by Garda Rujukan Digital (Garuda), Google Scholar, One Search, Cite Factors, BASE.

IJIEM

Indonesian Journal of Industrial Engineering and Management

TABLE OF CONTENT

PDCA Method Implementation to Reduce the Potential Product Defects in the Automotive Components Industry..... Fredy Sumasto, Cantika Puspa Maharani, B. Handoko Purwojatmiko, Febriza Imansuri, Siti Aisyah	87 - 98
Foraging Bee Optimization Algorithm..... Ebun Phillip Fasina, Babatunde Alade Sawyerr, Shuaibu Babangida Alkassim	99 - 112
Improvement Quality of Occupational Health and Safety Testing Laboratory Services Using Quality Function Deployment Method..... Dimas Mukhlis Fathurohman, Wawan Herwanta, Intan Novitas Dewi, Krisnawanti Krisnawanti	113 - 124
Relayout of Palm Coconut Factories in West Sumatera..... Demi Ramadian, Tosty Maylangi Sitorus	125 - 132
The Influence of Leadership Style, Work Stress, and Work Motivation on Employee Loyalty to PT. Hartono Palace of Technology Johanis Souisa, Teguh Ariefiantoro, Susanto Susanto, Asih Niati	133 - 145
Determination of the Shortest Distribution Routes to Minimize Fuel Consumption and CO ₂ Emission Using Sweep and Clarke & Wright Saving Algorithms Riski Arifian, Farida Pulansari	146 - 156
Analysis of Worker's Age and Working Time on the Influence of Productivity with Multiple Linear Regression Methods (Case Study of Automotive Spare Parts Manufacturing Company)..... Sarjono Sarjono, Muhamad Gofur, Ades Yulia Apriani, Dafid Mega Saputra	157 - 163
Readiness Analysis of Politeknik STMI Jakarta Towards Implementation and Certification of ISO 21001:2018..... Laksmi Ambarwati, Emi Rusmiati, Siti Aisyah	164 - 172
Performance Measurement Supply Chain Management (SCM) Using the Supply Chain Operation Reference (SCOR) Method at PT X..... Alfi Hidayati, Farida Pulansari	173 - 183
Analysis of Service Quality Measurement at Vocational Higher Education with the Higher Education Performance Method (HEdPERF) and Importance Performance Analysis (IPA) Tita Latifah Ahmad, Sherly Ayu Wardhani	184 - 197
Risk Analysis of Occupational Health and Safety Using Hazard Identification, Risk Assessment and Risk Control (HIRARC) Method (Case Study in PT Barokah Galangan Perkasa)..... Andi Giovanni, Lina Dianati Fathimahhayati, Theresia Amelia Pawitra	198 - 211

Implementation of Measurement System Analysis to Reduce Measurement Process Failures on Part Reinf BK6.....	212 – 220
Fredy Sumasto, Yesaya Abdi Nugroho, B. Handoko Purwojatmiko, Mohammad Wirandi, Febriza Imansuri, Siti Aisyah	
Quality Control of Edamame Products Using Statistical Quality Control (SQC) and Failure Mode Effect Analysis (FMEA) Methods in PT. XYZ	221 - 230
Fenny Novianti, Rr. Rochmoeljati	