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Publications

2026

Prosiding seminar internasional

Smart Tourism Planning of Tanjung Aan by Considering the Mandalika Circuit Based on Dynamic Modeling

I PUTU HARIYADI , HUSAIN , HERMAN MAWENKANG , BAMBANG KRISMONO TRIWIJOYO , ELYAKIM NOVA SUPRIYEDI PATTY , HEROE SANTOSO , YUDI SUTARYANA

2025

Jurnal internasional bereputasi

Development of an Optimization Model for Dynamic Multi-Depot Vehicle Routing With Capacity Limits and Time-Dependent Demands

ZAINAL AZIS , TUA HALOMOAN HARAHAP , MULIAWAN FIRDAUS , HERMAN MAWENKANG

2025

Jurnal internasional bereputasi

Modelling an Integrated Approach to Optimize the Disposal of Industrial Hazardous Waste While Prioritizing Sustainability

MARDININGSIH , MUHAMMAD ROMI SYAHPUTRA , ISNAINI HALIMAH RAMBE , HERMAN MAWENKANG , Devy Mathelina

2024

Jurnal internasional bereputasi

Optimization Model of Multi Criteria Decision Analysis for Smart and Sustainable Sport Tourism Planning Development Problem

HUSAIN , BAMBANG KRISMONO TRIWIJOYO , MUHAMMAD TAUFIK , HERMAN MAWENKANG

2024

Prosiding seminar internasional

Optimization model for vehicle routing and scheduling with forward and reverse logistics

ELLY ROSMAINI , HERMAN MAWENKANG , LADY ICHWANA RESTI

2024

Prosiding seminar internasional

The Effect of Segmentation and CNN Architecture in Determining Accuracy Convolutional Neural Network

MANUTUR PANDAPOTAN SIREGAR , HERMAN MAWENKANG , SUYANTO

2023

Jurnal internasional bereputasi

Developing an Enhanced Algorithms to Solve Mixed Integer Non-Linear Programming Problems Based on a Feasible Neighborhood Search Strategy

FIRMANSYAH , LISE PUJIASTUTI , HERMAN MAWENKANG , MOCHAMAD WAHYUDI

2023

Jurnal nasional terakreditasi

Mathematical Model for Vehicle Routing and Scheduling with Forward and Reverse Logistics

2023

Prosiding seminar internasional

Logistics Distribution Supply Chain Optimization Model with VRP in The Context of E-Commerce

OPIM SALIM SITOMPUL , HERMAN MAWENGGANG , SAIB SUWILO , MARDININGSIH

2023

Prosiding seminar internasional

A mixed-integer model for aircraft fleet assignment and manpower planning problems under uncertainty

HERMAN MAWENGGANG , SAIB SUWILO , RIANITA SIMAMORA

2023

Prosiding seminar internasional

Multi-objective optimization model supply chain network design by considering supply uncertainty

SAIB SUWILO , HERMAN MAWENGGANG , PUTERI FAJAR ADDINI

2023

Artikel ilmiah

Perencanaan Produksi Makanan Laut Dengan Pertimbangan Permintaan dan Kapasitas

HIRMAN RACHMAN , HERMAN MAWENGGANG

2023

Jurnal internasional bereputasi

State of human tiger conflict around Gunung Leuser National Park in Langkat Landscape, North Sumatra, Indonesia

HERMAN MAWENGGANG , HADI S ALIKODRA , R. HAMDANI HARAHAHAP

2023

Jurnal internasional bereputasi

Model Classification of Fire Weather Index using the SVM-FF Method on Forest Fire in North Sumatra, Indonesia

DARWIS ROBINSON MANALU , OPIM SALIM SITOMPUL , HERMAN MAWENGGANG , MUHAMMAD ZARLIS

2022

Jurnal internasional bereputasi

Improved Benders decomposition approach to complete robust optimization in box-interval

HERMAN MAWENGGANG

2021

Jurnal internasional bereputasi

Predicting rainfall from weather observations using SVM approach for identify the parameter of fuel moisture code as fire weather index

DARWIS ROBINSON MANALU , OPIM SALIM SITOMPUL , HERMAN MAWENGGANG , MUHAMMAD ZARLIS

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Jurnal internasional bereputasi

Rumour propagation: an operational research approach by computational and information theory

HERMAN MAWENGGANG

2021

Jurnal internasional bereputasi

Rumour propagation: an operational research approach by computational and information theory

HERMAN MAWENGGANG , Gerhard-Wilhelm Weber , Burcu Gürbüz , ISMAIL HUSEIN

2020

Jurnal internasional bereputasi

Neighbourhood Based Search Approach for Solving A Large Scale of NonConvex Mixed-Integer Non Linear Programming Problems

2020

Artikel ilmiah

A Decision Model for Integrated Hospital Capability Management Problem.

HERMAN MAWENGGANG , SURYATI SITEPU

2019

Prosiding seminar internasional

Mathematical fallacies and applications of graph theory in electrical engineering

HERDI RAMON , ZAHEDI , MAHRIZAL MASRI , HERMAN MAWENGGANG

2019

Prosiding seminar internasional

Modeling the Transmission of Infectious Disease in a Dynamic Network

MARDININGSIH , HERMAN MAWENGGANG , SAIB SUWILO

2019

Jurnal internasional bereputasi

Developing an Exact Method for Solving Non Linear Integer Goal Programming Problems

JONI WILSON SITOPU , HERMAN MAWENGGANG , SAIB SUWILO

2018

Jurnal internasional bereputasi

An improved search approach for solving non-convex mixed-integer non linear programming problems

JONI WILSON SITOPU , HERMAN MAWENGGANG , RIRI SYAFITRI LUBIS

2017

Artikel ilmiah

The role of information and communication technology in developing smart education

HERMAN MAWENGGANG

2017

Prosiding seminar internasional

The role of information and communication technology in developing smart education

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2017

Jurnal nasional terakreditasi

Pengembangan Pendekatan Matriks Hubungan Untuk Pengukuran Similaritas

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2016

Prosiding seminar internasional

Discrete Optimization Model for Production Scheduling and Distribution Planning Problem of Perishable Fish Processed Products

INTAN SYAHRINI , HERMAN MAWENGGANG

2016

Jurnal internasional

A MIXED INTEGER NONLINEAR PROGRAMMING MODEL FOR PRODUCT POSITIONING PROBLEM

HERMAN MAWENGGANG

2014

Jurnal internasional bereputasi

An Improved Method for Sensitivity Analysis in Minimum Cost Flow Problem

MAHDALENA , HERMAN MAWENGGANG

Researches

2023

Developing an Enhanced Algorithms to Solve Mixed Integer Non-Linear Programming Problems Based on a Feasible Neighborhood Search Strategy

HERMAN MAWENGGANG , LISE PUJIASTUTI , MOCHAMAD WAHYUDI

2022

Ipteks Bagi Kewirausahaan

Routing Optimization Model for Delivering Multi Meal Products with Time Dependent

HERMAN MAWENGGANG

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Routing Optimization Model for Delivering Multi Meal Products with Time Dependent

HERMAN MAWENGGANG

2020

A Decision Model for Integrated Hospital Capability Management Problem.

HERMAN MAWENGGANG

Community Services

2014

Penelitian Fundamental

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Paten nasional

Model Evakuasi Cerdas Dalam Mitigasi Bencana

M.SAFII , HERMAN MAWENGGANG
