Prof. Dr. Mardiningsih, M.Si

Dosen Program Studi S1 Matematika
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

mardiningsih@usu.ac.id

Ruang Ketua Prodi S1 Matematika, FMIPA USU

fmipa.usu.ac.id/id/dosen/mardiningsih

Dr. Mardiningsih, M.Si. dilahirkan di Medan pada tanggal 05 April 1963. Beliau merupakan seorang dosen dengan bidang ilmu Matematika di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya pada jenjang Doktor (S3), program studi Ilmu Matematika, di Universitas Sumatera Utara pada tahun 2013.

Publications

2024
Jurnal nasional terakreditasi
Kajian Metode Analytical Hierarchy Process (AHP) Dan Technique For Order Preference By Similarity To Ideal Solution (TOPSIS) Serta Penerapannya
DITA FITRIA , MARDININGSIH

2023
Jurnal nasional terakreditasi
A Class of Primitive Two-Colored Digraph with Large Competition Index
MARDININGSIH , SAIB SUWILO

2023
Prosiding seminar internasional
Comparison of completion of VAM, TCOM-SUM Transportation problems with Stepping Stone to Determine optimal solutions
MARDININGSIH

2022
Jurnal nasional terakreditasi
STABILITY ANALYSIS OF EQUALITY POINT MATHEMATICS MODEL OF INFLUENZA VIRUS IN THE HUMAN BODY WITH HERBAL TREATMENT THERAPY
MARDININGSIH

2022
Prosiding seminar internasional
Implementation of the greedy algorithm on graph coloring
MARDININGSIH , PARAPAT GULTOM , SAIB SUWILO

2020
Prosiding seminar internasional
Additively weighted Hamming index of graphs
MARDININGSIH , SAIB SUWILO

2020
Jurnal nasional terakreditasi
Existence of Polynomial Combinatorics Graph Solution
MARDININGSIH , SAIB SUWILO

2019
Prosiding seminar internasional
On Hamming index generated by adjacency matrix of graphs
MARDININGSIH , SAIB SUWILO

2019
Prosiding seminar internasional

Hamming Index for Several Graph Classes Produced by an Side-Node Incidence Matrix

MARDININGSIH , SAIB SUWILO

2016
Jurnal internasional bereputasi

Local exponents of Two Coloured Bi-Cycles whose Lenghts Differ by 1

MARDININGSIH

2016
Jurnal internasional bereputasi

Local Exponents of Two-coloured Bi-cycles whose Lengths Differ by 1

SAIB SUWILO , MARDININGSIH

2026
Jurnal internasional

Vernam Cipher with Complement Method and Optimization Key with Genetic Algorithm

MARDININGSIH

2026
Jurnal nasional

SOLVING MIXED INTEGER PROGRAMS WITH BRANCH AND BOUND METHOD

MARDININGSIH

2026
Jurnal internasional

A research framework for data envelopment analysis with upper bound on output to measure efficiency performance of higher learning institution in Aceh province

MARDININGSIH

2026
Jurnal internasional

A Slack-Based Measures for Improving the Efficiency Performance of Departments in Universitas Malikussaleh

MARDININGSIH

2026
Jurnal nasional

OPTIMIZATION OF TRACEABILITY FOR FOOD PRODUCTION PLANNING

MARDININGSIH

2026
Jurnal internasional

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

MARDININGSIH

2026
Prosiding seminar internasional

The design of electronic monitoring process model and evaluation of development in the government (case study: Pakpak Bharat District)

MARDININGSIH

2026
Jurnal internasional

Modified affinity propagation

MARDININGSIH

2026
Jurnal internasional

Algorithm Advanced Control Chaos and Stabilization Measurement Error

MARDININGSIH

2026
Prosiding seminar internasional

Improve BIRCH algorithm for big data clustering

MARDININGSIH

2026
Jurnal nasional

OPTIMIZATION MODEL FOR A DELIVERY FACILITY WITH CHOSEN ROUTE

MARDININGSIH

2026
Jurnal nasional

Feature extraction method GLCM and LVQ in digital image-based face recognition

MARDININGSIH

2026
Jurnal internasional

Strategic Analysis of Sustainable Forest Management with Graph Model for Conflict Resolution

MARDININGSIH

2026
Jurnal internasional

A Research Framework for Supervised Image Classification For Tornado Chaos Phenomena

MARDININGSIH

2026
Jurnal internasional

Optimization Model for a Location-Allocation-Routing in a Periodic Distribution Network

MARDININGSIH

2026
Prosiding seminar internasional

Improving the accuracy of old and young face detection in the template matching method with Fuzzy Associative Memory (FAM)

MARDININGSIH

2026
Jurnal internasional

On Solving a class of stochastic multiobjective integer linear programming problems with Interactive Based Approach

MARDININGSIH

2026
Jurnal nasional

Analysis of braycurtis, canberra and euclidean distance in knn algorithm

MARDININGSIH

2026
Prosiding seminar internasional

Analysis of classification and NaÃ¯ve Bayes algorithm k-nearest neighbor in data mining

MARDININGSIH

2026
Jurnal internasional

A Slack-Based Measures for Improving the Efficiency Performance of Departments in Universitas Malikussaleh Int

MARDININGSIH

2026
Jurnal internasional

Network Performance Optimization using Dynamic Enhanced Interior Routing Protocols Gateway Routing Protocol for IPv6 (EIGRPv6) and IPv6 Access Control List

MARDININGSIH

2026
Jurnal nasional

Hamming index of thorn and double graphs

MARDININGSIH

2026
Jurnal internasional

Fleet Size from Split Delivery in Vehicle Routing Problems

MARDININGSIH

2026
Jurnal nasional

Pemanfaatan Algoritma One Time Pad untuk Peningkatan Keamanan pada Bit Plane

MARDININGSIH

Researches

2016
Penelitian Hibah Bersaing

METODE PENYELESAIAN MODEL MATEMATIKA BERBENTUK POLINOMIAL KOMBINATORIK

MARDININGSIH

Community Services

2024

KEPUTUSAN REKTOR UNIVERSITAS SUMATERA UTARA

MARDININGSIH

2024

Penetapan Pengurus Himpunan Matematika Indonesia (The Indonesian Mathematical Society / IndoMS) Wilayah Aceh dan Sumatera Utara Periode 2023 – 2024

MARDININGSIH

2014
Penelitian Fundamental

KEBERADAAN SOLUSI MODEL MATEMATIKA BERBENTUK POLINOMIAL KOMBINATORIK