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Prof. Ir. Nazaruddin, M.T., Ph.D., was born in Medan on August 1, 1960, and is a lecturer in Industrial Engineering. He has been actively teaching at the Faculty of Engineering, Universitas Sumatera Utara (USU), since 1989. Nazaruddin completed his Bachelor's degree in Industrial Engineering and Management at USU in 1986, followed by a Master's degree from the Bandung Institute of Technology in 1994, and earned his Ph.D. in Technology Management from Universiti Utara Malaysia.

He has held various academic leadership positions, including serving as the Secretary of the Industrial Engineering Department at USU from 1996 to 1999, Coordinator of the D-IV Program in Factory Engineering and Management (1999-2000), Secretary of the P2T USU (2000-2005), Special Advisor to the USU Rector for General Administration (2005-2010), and Head of the Center for Industrial Studies and Human Resources at the USU Research Institute (2005-2010). Additionally, he served as the Secretary of the Master's Program in Management at SPS USU (2010-2017), Chair of the Master's and Doctoral Program in Industrial Engineering (2017-2021), and a member of the USU Academic Senate (2017-2021).

Nazaruddin is also an accomplished author, with several books to his name, including "Opportunities in Small Industries and Tourism" (USU Press), "Technology Management" (Graha Ilmu Jogjakarta), "Basic Guidelines and Concepts of Entrepreneurship" (Yayasan Cendikia Mulia Mandiri), and "Technology Acceptance Model" (Cendikia Mulia Mandiri).

He is actively involved in research and professional organizations, having served as the Chair of the Professional Development Division of the Indonesian Engineers Association in North Sumatra (2015-2019), Vice Chair of the University Network for Indonesian Infrastructure Development (UNIID) from 2016 to 2019, and Expert Council member of the Indonesian Farmers and Fishermen Association in North Sumatra (2015-2019). Currently, he is a member of the Expert Council of the Indonesian Electricity Society in North Sumatra (2021-present) and a member of the Industry, Energy, and Environment Division of the North Sumatra Provincial Research and Innovation Council (2021-2026).

Nazaruddin has received numerous awards, including the Supersemar Foundation Scholarship (1984-1986), Outstanding Lecturer I at USU (1995), the 10-Year Satya Lencana from the President of Indonesia (2001), a Simple Patent Certificate from the Ministry of Law and Human Rights (2022), and the 30-Year Satya Lencana from the President of Indonesia (2022).

Publications

2026

Jurnal nasional terakreditasi

The Use of Machine Learning Algorithms for Supply Chain Optimization at PT. XYZ

NISMAH PANJAITAN , IR H NAZARUDDIN MATONDANG MTPHD , DIOMEN SYAHPUTRA MANIK

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Jurnal nasional terakreditasi

Production Process Quality Inspection with Machine Learning Approach

IR H NAZARUDDIN MATONDANG MTPHD , ANIZAR , ARI PRADANA

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Bobabox SME Development Strategy Based on the Influence of Supply Chain Resilience Variables on Company Performance

IR H NAZARUDDIN MATONDANG MTPHD , JULIZA HIDAYATI , DHEDE PRISTI AFRINDA

2025

Prosiding seminar nasional

Literatur Review: Penggunaan Algoritma Machine Learning untuk Optimalisasi Rantai Pasokan

NISMAH PANJAITAN , IR H NAZARUDDIN MATONDANG MTPHD , DIOMEN SYAHPUTRA MANIK

2025

Makalah ilmiah

TRANSFORMING MARITIME MANUFACTURING: ADAPTING LEAN PRINCIPLES FROM AUTOMOTIVE TO SHIPBUILDING

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Jurnal internasional

The Use of Technology Acceptance Model (TAM) to Analyze Consumer Acceptance Towards E-Commerce Websites. A Case of the Plantage. id Digital Transformation Solution

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IR H NAZARUDDIN MATONDANG MTPHD , AULIA ISHAK

2022
Jurnal nasional

Implementation of Text Mining System Development: A Case Study in Telecommunication Industry

JULIZA HIDAYATI , IR H NAZARUDDIN MATONDANG MTPHD

2021
Prosiding seminar internasional

Analisis Penerimaan Teknologi E-Learning terhadap Efektivitas Menggunakan TPB (Theory of Planned Behavior) di Universitas Sumatera Utara

JULIZA HIDAYATI , IR H NAZARUDDIN MATONDANG MTPHD

2021
Prosiding seminar internasional

Big data analysis for product design

JULIZA HIDAYATI , IR H NAZARUDDIN MATONDANG MTPHD

2021
Jurnal internasional

Sustainability Model for Private Higher Education of North Sumatra Indonesia

IR H NAZARUDDIN MATONDANG MTPHD , JULIZA HIDAYATI

2019
Prosiding seminar internasional

“Optimalisasi Penentuan Luas Kavling Indusri Kawasan Ekonomi Khusus (KEK) Sei Mangkei sesuai Kebutuhan Pengguna

JULIZA HIDAYATI , IR H NAZARUDDIN MATONDANG MTPHD

2019
Jurnal internasional

The Effect of Emotional Intelligence and Spiritual Intelligence on Employee Performance PT. Proconfo Indah

IR H NAZARUDDIN MATONDANG MTPHD , YENI ABSAH

2013
Jurnal nasional

INTEGRASI METODE DEMATEL (DECISION MAKING TRIAL EVALUATION AND LABORATORY) DAN BALANCED SCORECARD PADA PENENTUAN PRIORITAS PUSAT DISTRIBUSI DI PT. XYZ

IKHSAN SIREGAR , IR H NAZARUDDIN MATONDANG MTPHD , FITRIANI SURAYYA LBS

2013
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2013
Jurnal nasional

Implementasi Studi Preventive Maintenance Fasilitas Produksi Dengan Metode Reliability Centered Maintenance Pada PT. XYZ

IKHSAN SIREGAR , IR H NAZARUDDIN MATONDANG MTPHD , JEFFRYNARDO PRANOTO

Researches

2023

Pengukuran Kinerja halal pada UMKM dengan pendekatan Supply chain operation reference (SCOR)

IR H NAZARUDDIN MATONDANG MTPHD

2023

EVALUASI KINERJA BERKELANJUTAN PADA PABRIK KELAPA SAWIT DENGAN INTEGRASI METRIK PRODUK DAN PROSES

IR H NAZARUDDIN MATONDANG MTPHD , ISKANDARINI

2022
Ipteks

Penerapan Budaya Keselamatan dan Kesehatan Kerja (K3) Di Kalangan Mahasiswa Wirausaha USU

IR H NAZARUDDIN MATONDANG MTPHD

2022

Model Pengukuran Industri Manufaktur Berkelanjutan

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2021

Pengembangan model pengukuran kinerja manufaktur pangan halal

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2021

Efektivitas Penggunaan Sistem E-Learning pada Masa Pandemi Menggunakan Pendekatan TPB (Theory of Planned Behavior) di Universitas Sumatera Utara

IR H NAZARUDDIN MATONDANG MTPHD , JULIZA HIDAYATI

Community Services

2014
Penelitian Unggulan Perguruan Tinggi

INDUSTRIALISASI ASAP CAIR BERBASIS LIMBAH PADAT KELAPA SAWIT

IR H NAZARUDDIN MATONDANG MTPHD , SUGIHARTO P , A RAHIM MATONDANG

