

Prof. Ir. Aulia Ishak, S.T., M.T., Ph.D.

Dosen Program Studi S1 Teknik Industri
Fakultas Teknik
Universitas Sumatera Utara

✉ aulia.ishak@usu.ac.id

🏢 Program Studi S1 Teknik Industri, Fakultas Teknik, USU

🌐 ft.usu.ac.id/id/dosen/aulia-ishak

Prof. Ir. Aulia Ishak, S.T., M.T., Ph.D, IPM, dilahirkan di Medan pada tanggal 20 November 1967, merupakan seorang dosen di Universitas Sumatera Utara dengan bidang ilmu Teknologi Manufaktur. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3 di Fakultas Mechanical Engineering Program Studi Mechanical Engineering Universitas Sains Malaysia pada tahun 2018.

Publications

2026

Prosiding seminar internasional

Employee selection automation using decision support system: An approach of neural networks

AULIA ISHAK

2025

Jurnal nasional terakreditasi

SME Center Development Strategy Langkat Furniture in an Effort to Increase Competitiveness with SWOT Analysis and QSPM

ANIZAR , ABDUL JAMINSON , AULIA ISHAK

2024

Jurnal nasional terakreditasi

Life Cycle Analysis Study of Plastic Flower Pot Products

KHAWARITA SIREGAR , AULIA ISHAK

2024

Jurnal internasional

Empowering Organizational Learning with Philosophical Tools of Lean Six Sigma in Service Sectors

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2024

Prosiding seminar internasional

Prediction of Cutting Forces for Machine Tools by Neural Networks

Pramodkumar S. Kataraki , Isam Qasem , M. Mazlan , Ahmed A. Hussien , and Ayub Ahmed Janvekar , Ahmad Faiz Zubair , AULIA ISHAK

2023

Prosiding seminar nasional

Perencanaan Sistem Pemeliharaan Mesin Screw Press Menggunakan Metode Reliability Centered Maintenance (Studi Kasus pada PMKS)

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2023

Jurnal internasional bereputasi

A Technological Capability Assessment of Company in the Crude Palm Oil Industry in Indonesia

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2023

A Technological Capability Assessment of Company in the Crude Palm Oil Industry in Indonesia

SAHALA SIALLAGAN , AULIA ISHAK

2023

Prosiding seminar internasional

Firefly algorithm in optimization of milling machining parameters and its comparisons with other algorithms

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2023

Jurnal nasional terakreditasi

Analisis Perbaikan dalam Stasiun Dryer Press menggunakan metode 5S Pada PT. Pundi Uniwood Industry

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2020

Prosiding seminar internasional

Determining the Number of Optimum Servers in The XYZ Restaurants Queue System with Queueing Theory

KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

Analysis of Fuzzy AHP-TOPSIS Methods in Multi Criteria Decision Making: Literature Review

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2020

Prosiding seminar internasional

Planning of Master Production Schedule at PT Semen Padang

AULIA ISHAK , IR. UKURTA TARIGAN, MT

2020

Prosiding seminar internasional

Decision Support System of Family Karaoke Selection with Analytical Hierarchy Process Method using Super Decisions Software

KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

The Removal of Mixed Tar in Biomass Fuel Gas through the Thermal and Catalytic Treatment Methods: Review

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2020

Prosiding seminar internasional

Distribution Testing on The Average Room Occupancy Rate of Hotels By Province in 2013-2017

KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

Tension Fatigue Behaviour of Woven Bamboo and Glass Fiber Reinforced Epoxy Hybrid Composites

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2020

Prosiding seminar internasional

Graph Based Method for Lathe Machining Part Model

NISMAH PANJAITAN , AULIA ISHAK

2020

Prosiding seminar internasional

Quality Control Analysis With Lean Six Sigma Approach and Weighted Product

Method (Case Study: XYZ Company)

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2020

Prosiding seminar internasional

Synthesis of Calcite-Zincite Nano Composite Materials using Sol-gel Auto Combustion Method

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2020

Prosiding seminar internasional

Quality Control Analysis on Poly Cups Products Using Six Sigma Approach at PT "X"

KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

Dry Turning of Hard 2379 Steel Using a ZTA5Ce0.7La Ceramic Cutting Insert: A Study

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2020

Prosiding seminar internasional

Clasification of Heart Disease using Decision Tree Algorithm

KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

Evaluation and Selection of E-commerce Service Quality Using Fuzzy AHP Method

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2020

Prosiding seminar internasional

Bolt Product Quality Control Using Six Sigma DMAIC Method (Case Study: PT XYZ Company)

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2020

Prosiding seminar internasional

Beauty Clinic Selection Based on Service Quality Using AHP (Analytical Hierarchy Process) Method in Industrial Engineering Department

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2020

Prosiding seminar internasional

Decision Support System for Suppliers Household Appliance with Analytical Hierarchy Process Method Using Super Decisions Software

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2020

Prosiding seminar internasional

Analysis of Crude Palm Oil Production Yield Results at AA Company

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2020

Prosiding seminar internasional

Production Line Simulation In Vise Using The Flexim Application

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Prosiding seminar internasional

Decision Support System for Suppliers of Household Appliance with Analytical Hierarchy Process Method Using Super Decisions Software

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The Removal of Mixed Tar in Biomass Fuel Gas through the Thermal and Catalytic Treatment Methods: Review

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Prosiding seminar internasional

Planning of Master Production Schedule at PT Semen Padang

IR. UKURTA TARIGAN, MT , AULIA ISHAK

2020
Prosiding seminar internasional

Determining the Number of Optimum Servers in The XYZ Restaurant Queue System with Queuing Theory

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2020
Prosiding seminar internasional

Dry turning of hard 2379 steel using a ZTA5Ce0.7La ceramic cutting insert: A study

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2020
Prosiding seminar internasional

Spare Part Supplier Selection Model Using Decision Tree Classification Techniques: J48 Algorithm

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2020
Prosiding seminar internasional

Determination of Criteria and Sub-Criteria for Selection of Spare Part Raw Material Supplier Using the Delphi Method

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2020

Prosiding seminar internasional

Application of the Delphi Method to New Renewable Energy Assessments in Power Plants in North Sumatra Province

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2020

Prosiding seminar internasional

Spare Part Supplier Selection Model Using Decision Tree Classification Techniques: J48 Algorithm

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2020

Prosiding seminar internasional

Technology assessment of liquid waste in rubber factory using analytical hierarchy process and promethee methods

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2020

Prosiding seminar internasional

Technology Assessment of Liquid Waste in Rubber Factory Using Analytical Hierarchy Process and Promethee Methods

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2020

Prosiding seminar internasional

Determination of Criteria and Sub-Criteria in Urban Solid Waste Processing Technology

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2019

Prosiding seminar internasional

Spare part supplier selection model using decision tree classification techniques: J48 Algorithm

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2019

Prosiding seminar internasional

Determination of criteria and sub-criteria for selection of spare parts raw material supplier using the Delphi method

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2019

Prosiding seminar internasional

Application of the delphi method to new renewable energy assessments in power plants in North Sumatra province

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2019

Prosiding seminar internasional

Design of logistics information system in the finished product warehouse with the waterfall method: review literature

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2019

Prosiding seminar internasional

Identification Criteria and Indicators of Palm Oil Industrial Solid Waste Processing Technology

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2019

Buku lainnya

Manajemen Teknologi dari Perspektif Teknik

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2019

Prosiding seminar internasional

Identification Criteria and Indicators of Palm Oil Industrial Liquid Waste Processing Technology

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2019

Prosiding seminar internasional

The Application of Lean Manufacturing to Minimize Waste in Crude Palm Oil (CPO) Production Process at PT. XYZ

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2018

Prosiding seminar internasional

Identification criteria and indicators of palm oil industrial solid waste processing technology

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2018

Prosiding seminar internasional

Identification criteria and indicators of palm oil industrial liquid waste processing technology

AULIA ISHAK

2017

Prosiding seminar internasional

Decision Support Model for Selection Technologies in Processing of Palm Oil Industrial Liquid Waste

AULIA ISHAK

2017

Prosiding seminar internasional

Decision Support Model for Selection Technologies in Processing of Palm Oil Industrial Liquid Waste

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Researches

2020

Penelitian Dosen Pemula

PENERAPAN KUESIONER KANO, QUALITY FUNCTION DEPLOYMENT (QFD) DAN TEORIYA RESHENIYA IZOBRETATELSKIKH ZADATCH (TRIZ) UNTUK MENENTUKAN KEBUTUHAN PERANCANGAN ALAT OXYRATOR RECHARGE

AULIA ISHAK

Community Services

2023

Ipteks Bagi Kewirausahaan

Peningkatan Kapasitas dan Pengemasan Produksi bagi Usaha Makanan Rumahan Padat Karya

AULIA ISHAK , HUMALA L NAPITUPULU

Intellectual Property Rights

2019

Hak cipta nasional

Manajemen Teknologi Dari Perspektif Teknik

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