Dr. Ir. Andri Nasution, S.T., M.T., IPM., ASEAN Eng.

Dosen Program Studi S1 Teknik Industri
Fakultas Teknik
Universitas Sumatera Utara

andri.nasution@usu.ac.id

Program Studi Teknik Industri, Fakultas Teknik, USU

ft.usu.ac.id/id/dosen/andri-nasution

Andri Nasution, S.T., M.T. dilahirkan di Medan pada tanggal 06 November 1985. Saat ini, beliau menjabat sebagai dosen Teknik Industri di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni pada jenjang Magister.

Publications

2026
Jurnal internasional bereputasi

A COMPARATIVE STUDY OF PLA-ABS SANDWICH STRUCTURES: EFFECT OF PROCESS PARAMETERS ON MECHANICAL PERFORMANCES AND ENERGY CONSUMPTION

ANDRI NASUTION , HASAN MASTRISISWADI , ACHMAD PRATAMA RIFAI , HERIANTO , Sarah Iftin Atsani

2026
Jurnal internasional bereputasi

Flexural performance and interfacial bonding of PLA/ABS/HIPS composites in multi-nozzle 3D printing

ANDRI NASUTION

2025
Jurnal internasional

A Multi-Objective Double Row Layout Problem Considering Safety Distances and Geometrical Constraints

ANDRI NASUTION , ACHMAD PRATAMA RIFAI , RACHMADI NORCAHYO , Setyo Tri Windras Mara

2025
Jurnal internasional bereputasi

OPTIMIZATION OF PROCESS PARAMETERS OF FUSED DEPOSITION MODELLING AND METHODS: A REVIEW

HERIANTO , ANDRI NASUTION , ACHMAD PRATAMA RIFAI , HASAN MASTRISISWADI

2025
Jurnal internasional bereputasi

Flexural performance and interfacial bonding of PLA/ABS/HIPS composites in multi-nozzle 3D printing

ANDRI NASUTION , MUHAMMAD LUTHFI HAKIM , HERIANTO , ACHMAD PRATAMA RIFAI

2025
Jurnal internasional bereputasi

Flexural performance and interfacial bonding of PLA/ABS/HIPS composites in multi-nozzle 3D printing

MUHAMMAD LUTHFI HAKIM , ANDRI NASUTION , ACHMAD PRATAMA RIFAI , HERIANTO

2025
Jurnal internasional bereputasi

Driver Focus Detection Based on Eye Tracking Images Using Convolutional

Neural Networks: A Comparative Study of Transfer Learning and Custom Architectures

ANDRI NASUTION , ACHMAD PRATAMA RIFAI , WANGI PANDAN SARI , HAIDAR RABBANI

2025
Jurnal internasional bereputasi

Driver Focus Detection Based on Eye Tracking Images Using Convolutional Neural Networks: A Comparative Study of Transfer Learning and Custom Architectures

ACHMAD PRATAMA RIFAI , ANDRI NASUTION , WANGI PANDAN SARI , HAIDAR RABBANI

2025
Jurnal internasional bereputasi

Tensile performance of multi-material sandwich structures fabricated by multi-nozzle fused deposition modeling using PLA, ABS, and HIPS

ACHMAD PRATAMA RIFAI , ANDRI NASUTION , HERIANTO , Sarah Iftin Atsani

2025
Jurnal internasional bereputasi

High-sensitivity and durable MWCNT@CuNp/silicone rubber flexible strain sensor for human motion detection and composite structural monitoring

ANDRI NASUTION

2025
Jurnal internasional bereputasi

High-sensitivity and durable MWCNT@CuNp/silicone rubber flexible strain sensor for human motion detection and composite structural monitoring

HASAN MASTRISISWADI , MUHAMMAD LUTHFI HAKIM , MUHAMMAD AKHSIN MUFLIKHUN , HERIANTO , ARDI JATI NUGROHO PUTRO , ANDRI NASUTION , RELA ADI HIMAROSA

2023
Prosiding seminar internasional

Identification of factors causing defects in plywood products using minitab (case study at PT. PQR)

ANDRI NASUTION

2023
Jurnal internasional bereputasi

Effect of Shot Peening Parameters on PLA Parts Manufactured with Fused Deposition Modeling

HERIANTO , ANDRI NASUTION , HASAN MASTRISISWADI

2023
Prosiding seminar internasional

Identification of Factors Causing Defects in Plywood Products Using Minitab (Case Study at PT. PQR)

ANDRI NASUTION

2026
Prosiding seminar internasional

Penyeimbangan Stasiun Kerja dalam Produksi Ragum Dengan Menggunakan Metode Helgeson-Birnie

ANDRI NASUTION

2026
Prosiding seminar internasional

Penerapan Just In Time (JIT) Pada Perakitan Raket Nyamuk Cas Mitsui Flash MRN 76

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Rancangan Perbaikan Lingkungan Kerja Dengan Menggunakan Metode 5S Di Bengkel SMK TR Yayasan Pendidikan Sinar Husni

ANDRI NASUTION

2026
Jurnal nasional

ANALISIS LINGKUNGAN KERJA DENGAN METODE 5S DI LANTAI PRODUKSI DAN PENILAIAN RISIKO KERJA DENGAN METODE HIRARC DI BAGIAN MESIN PRESS PADA CV. XYZ

ANDRI NASUTION

2026
Jurnal nasional

Rancangan Sistem Pendukung Keputusan Terhadap Ketidakpastian Supply Chain Management Studi Kasus PT. Sinar Sosro Tanjung Morawa Medan

ANDRI NASUTION

2026
Poster seminar internasional

Penerapan Metode Just In Time Dalam Proses Perakitan Raket Nyamuk di PT. XYZ

ANDRI NASUTION

2026
Prosiding seminar internasional

Penilaian Postur Kerja Dengan Rapid Upper Limb Assesment Dan Kuisioner Nordic Body Map Terhadap Pekerja Ukm Sepatu UD. DEF

ANDRI NASUTION

2026
Prosiding seminar internasional

Analisis Penyebab Timbulnya Cacat Dan Solusi Perbaikan Pada Produk Jerry Can Menggunakan Fault Tree Analysis (Studi Kasus Di PT. ACI)

ANDRI NASUTION

2026
Jurnal nasional

Penentuan Jumlah Tenaga Kerja pada Departemen Produksi di PT. XYZ dengan Metode Programa Dinamis untuk Meminimasi Biaya Tenaga Kerja

ANDRI NASUTION

2026
Prosiding seminar internasional

Peramalan Penjualan Ragum di Kota Tangerang Menggunakan Metode Time Series dan Kausal

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Analisis Kelayakan dan Strategi Pengembangan Usaha Pupuk pada PT. XYZ

ANDRI NASUTION

2026
Prosiding seminar internasional

Perbaikan Alat Parutan Kelapa dengan Menggunakan Metode Design For Manufacture and Assembly (DFMA)

ANDRI NASUTION

2026
Jurnal internasional

An Availability Analysis of Fresh Fruit Bunches (FFB) by the method of the Food Supply Chain Network (FSCN) PT. XYZ

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Analisis Kelayakan dan Strategi Pengembangan Usaha Pupuk pada PT. XYZ Feasibility Analysis and Strategy for Fertilizer Business Development in PT. XYZ

ANDRI NASUTION

2026
Prosiding seminar internasional

Container terminal landside operation analysis and discrete event simulation in container terminal in port: a case study of Terminal 3 Ocean-going PT Pelabuhan Tanjung Priok

ANDRI NASUTION

2026
Prosiding seminar internasional

Evaluation of the distribution model and mode of transportation of PT X

ANDRI NASUTION

2026
Prosiding seminar internasional

Perbaikan Produk Helm dengan Menggunakan Metode Design for Manufacturing and Assembly (DFMA)

ANDRI NASUTION

2026
Prosiding seminar internasional

Analysis delay factor distribution of ready–mix concrete PT. Kreasibeton Nusapersada

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Pembelian Bahan Baku Optimal Ready Mix Concrete dengan Metode Economic Order Quantity

ANDRI NASUTION

2026
Prosiding seminar internasional

Pengendalian Kualitas pada Produk Lilin Spiral dengan Pendekatan Six Sigma PT. ABC

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Analisis pengaruh benang wol dan limbah batang pisang dalam rancangan produk komposit peredam bunyi ruang akustik

ANDRI NASUTION

2026
Jurnal nasional terakreditasi

Relayout dengan Menggunakan BLOCPLAN Tool Analysis

ANDRI NASUTION

Researches

2025
Ipteks

A Multi-Objective Double Row Layout Problem Considering Safety Distances and Geometrical Constraints

RACHMADI NORCAHYO , ANDRI NASUTION , ACHMAD PRATAMA RIFAI , Setyo Tri Windras Mara

2025
Ipteks

OPTIMIZATION OF PROCESS PARAMETERS OF FUSED DEPOSITION MODELLING AND METHODS: A REVIEW

HERIANTO , HASAN MASTRISISWADI , ANDRI NASUTION , ACHMAD PRATAMA RIFAI

2025
Ipteks

A COMPARATIVE STUDY OF PLA-ABS SANDWICH STRUCTURES: EFFECT OF PROCESS PARAMETERS ON MECHANICAL PERFORMANCES AND ENERGY CONSUMPTION

HERIANTO , HASAN MASTRISISWADI , ANDRI NASUTION , ACHMAD PRATAMA RIFAI , Sarah Iftin Atsani

2025
Ipteks

Flexural performance and interfacial bonding of PLA/ABS/HIPS composites in multi-nozzle 3D printing

HERIANTO , MUHAMMAD LUTHFI HAKIM , ANDRI NASUTION , ACHMAD PRATAMA RIFAI

2025
Ipteks

Tensile performance of multi-material sandwich structures fabricated by multi-nozzle fused deposition modeling using PLA, ABS, and HIPS

HERIANTO , ANDRI NASUTION , ACHMAD PRATAMA RIFAI , Sarah Iftin Atsani

2025
Ipteks

High-sensitivity and durable MWCNT@CuNp/silicone rubber flexible strain sensor for human motion detection and composite structural monitoring

HERIANTO , HASAN MASTRISISWADI , MUHAMMAD AKHSIN MUFLIKHUN , MUHAMMAD LUTHFI HAKIM , ANDRI NASUTION , RELA ADI HIMAROSA

2025
Ipteks

Driver Focus Detection Based on Eye Tracking Images Using Convolutional Neural Networks: A Comparative Study of Transfer Learning and Custom Architectures

ANDRI NASUTION , ACHMAD PRATAMA RIFAI

2023
Ipteks

Effect of Shot Peening Parameters on PLA Parts Manufactured with Fused Deposition Modeling

HERIANTO , HASAN MASTRISISWADI , ANDRI NASUTION

2023
Ipteks

OPTIMIZATION OF PROCESS PARAMETERS OF FUSED DEPOSITION MODELLING AND METHODS: A REVIEW

HERIANTO , HASAN MASTRISISWADI , ANDRI NASUTION , ACHMAD PRATAMA RIFAI

2021
Penelitian Dana Lokal Perguruan Tinggi

EVALUASI BUDAYA KESELAMATAN DAN KESEHATAN KERJA (K3) TERHADAP KESIAPAN PEDAGANG PASAR TRADISIONAL DALAM UPAYA MENCEGAH RISIKO PENULARAN COVID-19

BUCHARI , ANDRI NASUTION