

Prof. Ir. Rosnani Ginting, M.T., Ph.D., IPU., Asean Eng.

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Prof. Ir. Rosnani Ginting, M.T., Ph.D., dilahirkan di Binjai pada tanggal 21 Februari 1963, merupakan seorang dosen Teknik Industri di Universitas Sumatera Utara dengan bidang ilmu Perancangan dan Pengembangan Produk, Perencanaan dan Pengawasan Produksi, and Perancangan Manufaktur. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3 di School of Mechanical Engineering, Universitas Sains Malaysia pada tahun 2017.

Publications

2026

Jurnal internasional bereputasi

Developing a Port Handling Model to Support Cross-Docking in Archipelagic Logistics: A Discrete-Event Simulation Study

ALBERTUS LAURENSIUS SETYABUDHI , ROSNANI GINTING , HERMANSYAH , MEYLIA VIVI PUTRI , AMELIA RACHMI NASUTION , OKTA VEZA

2026

Jurnal nasional terakreditasi

Perancangan ulang produk mixer dengan Metode Quality Function Deployment

AKBAR GADING ALFADLI HARAHAHAP , ROSNANI GINTING , AULIA ISHAK

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Innovative design of dental mouth props: Exploring functional features and material enhancements for improved performance

VICTOR FRANS , Ahmad Faiz Zubair , ROSNANI GINTING , AULIA ISHAK , ALFIN FAUZI MALIK

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Innovative Design of a Transtibial Prosthetic Socket through Integration of QFD, Reverse Engineering, and 3D Printing

ROSNANI GINTING , FADYLLA RAMADHANI PUTRI NASUTION , AULIA ISHAK , RINALDI SILALAHI

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Grass chopper machine redesign for reducing assembly cost and easier service using integration between design for assembly and design for serviceability

ROSNANI GINTING , AKBAR GADING ALFADLI HARAHAP , AULIA ISHAK

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Jurnal nasional terakreditasi

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Jurnal internasional bereputasi

Improvement of Transtibial Leg Prosthesis Design Using Reverse Engineering and Additive Manufacturing Methods

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Jurnal nasional terakreditasi

Analisis Risiko Bahaya Ergonomi pada Lingkungan Kerja Unit Laundry Rumah Sakit dengan Metode Hazard and Operability Study (HAZOP)

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Bitewing Holder and Support Product Design Using Quality Function Deployment

ROSNANI GINTING , AULIA ISHAK , SUPRANATA

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Integration of Reverse Engineering and Additive Manufacturing Methods in the Design and Development of Prosthetic Products : A Literature Review

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Literature Review of Concurrent Engineering in Kansei Engineering and Ergonomic

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Integrated Value Engineering with QFD and DFA as Product Design and Development Techniques: Literature Review

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Inventory Management Under Uncertainty Condition with Fuzzy Logic: A Literature Review

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Implementation of Macro Ergonomic Participatory In Physical Work Environment: A Literature Review

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Jurnal internasional bereputasi

NEW DESIGN OF HYDRAULIC PAVING BLOCK MACHINE USING QFD AND DFMA METHOD

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Application of Quality Function Deployment (QFD) Method in Meeting Customer Satisfaction in Bookshelf Industry

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Prosiding seminar internasional

The Fuzzy Failure Mode and Effect Analysis (FMEA) Method to Improve Roofing Product's Quality (Case Study: XYZ Company)

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Implementation Statistical Quality Control (SQC) and Fuzzy Failure Mode and Effect Analysis (FMEA): A Systematic Review

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Reducing Waste to Improve Product Quality in The Wooden Pallet Production Process by Using Lean Six Sigma Approach in PT. XYZ

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Product Design of a Multifunctional Wheelchair Using Nigel Cross Approach

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Product Design of Post-Stroke Static Bicycle

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Product Development with Quality Function Deployment (QFD): A Literature Review

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Quality Control of Chopsticks Product Using Lean Six Sigma Approach Method

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Development of A Methodology for Selection and Assessment of Liquid Waste Processing Technology From Oil Palm Industry Using Analytical Hierarchy Process (AHP)

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Analysis of Quality Control in Assembling Kawachi RN-621 Mosquito Rackets

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Decision Support System for Selection and Assessment of Solid Waste Processing Technology from Oil Palm Industry using Analytical Hierarchy

Process (AHP)

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A Systematic Literature Review of Lean Six Sigma

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Product Design of Massage Cap by Using Nigel Cross Approach

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Macro Excel (VBA) Implementation in Designing Booking Information Systems in Uniform Convection (Case Study: Kholidi Taylor SME, Medan Denai)

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Design of Multifunctional Wheelchair with Nigel Cross Method

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Integration of quality function deployment and value engineering: A case study of designing a Texon cutting tool

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Improving the Quality of Product: A Literature Review

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Product development and design with a combination of design for manufacturing or assembly and quality function deployment: A literature review

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Investigation on Mechanical Properties of Blend Virgin and Recycled Acrylonitrile-Butadiene-Styrene (ABS) in Injection Molding

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Investigation on Mechanical Properties of Blend Virgin and Recycled Acrylonitrile-Butadiene-Styrene (ABS) in Injection Molding

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2020

Jurnal nasional

Pengukuran Potensi Pemanfaatan Listrik Tenaga Sinar Matahari di Kabupaten Langkat

JULIZA HIDAYATI , ROSNANI GINTING , MUHAMMAD ZULFIN

2020

Jurnal internasional bereputasi

Integration of quality function deployment and value engineering: A case study of designing a texon

ROSNANI GINTING , IR. UKURTA TARIGAN, MT , NISMAH PANJAITAN

2019

Artikel ilmiah

The Application of Quality Function Deployment and Ergonomics: A Case Study for A New Product Design of A Texon Cutting Tool

IR. UKURTA TARIGAN, MT , ROSNANI GINTING

2019

Jurnal internasional

Integration of Quality Function Deployment and Value Engineering: A Case Study of Designing A Texon Cutting Tool

ROSNANI GINTING , IR. UKURTA TARIGAN, MT

2018

Prosiding seminar internasional

The application of lean manufacturing to minimize waste in Crude Palm Oil (CPO) production process at PT. XYZ

ROSNANI GINTING , AULIA ISHAK

2018

Prosiding seminar internasional

Prioritizing critical parts of crumb rubber product by using quality function deployment (QFD) phase II : Product design matrix

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2018

Jurnal nasional

IDENTIFIKASI KEPUASAN KONSUMEN TERHADAP ATRIBUT PRODUK PEMBANGKIT LISTRIK ENERGI ALTERNATIF DENGAN MENGGUNAKAN KANOS MODEL DI LANGKAT

IKHSAN SIREGAR , ROSNANI GINTING

2018
Jurnal internasional

The Integration of Kano's Model and Quality Function Deployment: A Case Study for Design of An Alternative Energy Utilization

JULIZA HIDAYATI , ROSNANI GINTING

2018
Prosiding seminar internasional

Integrating Kano's model into quality function deployment for product design: A comprehensive review

JULIZA HIDAYATI , ROSNANI GINTING

2016
Jurnal nasional

IDENTIFIKASI KEINGINAN EMOSIONAL PERAWAT PADA ALAT HEMODIALISIS DI RUMAH SAKIT DELI SERDANG

IKHSAN SIREGAR , ROSNANI GINTING

2015
Jurnal nasional terakreditasi

Perancangan alat penyadap karet di Kabupaten Langkat Sumatera Utara dengan Metode Quality Function deployment (QFD) dan Model Kano

IKHSAN SIREGAR , ROSNANI GINTING

2014
Jurnal nasional

Perbaikan Rancangan Produk Spring Bed dengan Menggunakan Metode Quality Function Deployment

IKHSAN SIREGAR , ROSNANI GINTING , LIA MARETTY PANGGABEAN

2014
Jurnal nasional terakreditasi

Perancangan Desain Produk Spring Bed Dengan Menggunakan Metode Quality Function Deployment

ROSNANI GINTING , AULIA ISHAK

2013
Jurnal nasional

Rancangan Perbaikan Produk Saklar Dengan Integrasi Metode Qfd Dan Dfma Di PT Xxx

IKHSAN SIREGAR , ROSNANI GINTING , AKHMAD BAJORA NAST

2013
Jurnal nasional

Penilaian Proses Perakitan Produk Saklar dengan Metode Qfd di PT X

IKHSAN SIREGAR , ROSNANI GINTING , AKHMAD BAJORA NAST

2010
Jurnal nasional

Analisis Kinerja dan Penghasilan Beberapa Trayek Angkutan Umum di Kota Medan

IR. UKURTA TARIGAN, MT , ROSNANI GINTING

Researches

2025

Kajian Desain Assistive Design pada Penyandang Arthritis dengan Penerapan Quality Function Deployment

ALFIN FAUZI MALIK , ROSNANI GINTING

2024
Penelitian Dana Lokal Perguruan Tinggi

Kajian Perancangan Produk Prostetis Dengan Penerapan Reverse Engineering

Dan Additive Manufacturing

ROSNANI GINTING , AULIA ISHAK , FADYLLA RAMADHANI PUTRI NASUTION , AUDITYO MIKHA ANANDA PUTRA

2023

Kajian Desain Produk Untuk Keberlanjutan pada Alat Kesehatan Gigi dan Mulut di Kota Medan

ROSNANI GINTING , AULIA ISHAK , HUMALA L NAPITUPULU

2022

KAJIAN DESAIN PRODUK ELEKTRONIK KIPAS ANGIN DENGAN MENGGUNAKAN INTEGRASI VALUE ENGINEERING DAN QUALITY FUNCTION DEPLOYMENT

ROSNANI GINTING , AULIA ISHAK

2019

Penelitian Hibah Bersaing

PERANCANGAN PRODUK TONG SAMPAH KOMPOS DENGAN METODE AXIOMATIC DESIGN, QUALITY FUNCTION DEPLOYMENT (QFD), SERTA APLIKASI VALUE ENGINEERING

ROSNANI GINTING , AULIA ISHAK

2016

Perancangan Alat Pemotong Pola Texon Bagi UKM Sepatu Berbasis Pengguna Secara Pendekatan Ergonomi

NISMAH PANJAITAN , ROSNANI GINTING

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2023

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Penjadwalan mesin : sistem, algoritma, pemecahan masalah dan penerapan

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