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Prof. Ir. Rosnani Ginting, M.T., Ph.D., IPU, Asean Eng born in Binjai on February 21, 1963, is an Industrial Engineering lecturer with expertise in Product Design and Development, Production Planning and Control, and Manufacturing Design at the Universitas Sumatera Utara. In 2017, she completed her doctoral program at the School of Mechanical Engineering, Universiti Sains Malaysia.

Publications

2020

Prosiding seminar internasional

Reducing waste to improve product quality in the wooden pallet production process by using lean six sigma approach in PT. XYZ

ROSNANI GINTING , KHAWARITA SIREGAR , AULIA ISHAK

2025

Jurnal internasional bereputasi

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 SILALAH

2021

Jurnal internasional bereputasi

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

ROSNANI GINTING

2024

Jurnal nasional terakreditasi

Integration of design for manufacture and assembly with product design in product design improvement: a systematic literature review

NISMAH PANJAITAN , ROSNANI GINTING , SHISHILYA YAZID

2020

Jurnal internasional

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

AULIA ISHAK , ROSNANI GINTING

2018

Prosiding seminar internasional

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

JULIZA HIDAYATI , ROSNANI GINTING

2024

Jurnal nasional terakreditasi

Integration of Design for Manufacture and Assembly with Product Design in

Product Design Improvement: A Systematic Literature Review

SHISHILYA YAZID , ROSNANI GINTING , NISMAH PANJAITAN

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2010

Jurnal nasional

Analisis Kinerja dan Penghasilan Beberapa Trayek Angkutan Umum di Kota Medan

IR. UKURTA TARIGAN, MT , ROSNANI GINTING

2020

Prosiding seminar internasional

Design of Anti Overload Bag Product with the Nigel Cross Approach

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING , KHAWARITA SIREGAR

2023

Jurnal nasional terakreditasi

Path Balance Analysis with Artificial Bee and Fuzzy Algorithm Approach on Plastic Chopping Machine

ROSNANI GINTING , AULIA ISHAK

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

2020

Jurnal internasional

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

ROSNANI GINTING

2020

Prosiding seminar internasional

Integration of Quality Function Deployment (QFD) and Value Engineering in Improving the Quality of Product: A Literature Review

AULIA ISHAK , ROSNANI GINTING

2026

Jurnal internasional

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

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

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2025

Re-Design of Dental Chair Equipment Using Kansei Engineering Method and Quality Function Deployment

ALFIN FAUZI MALIK , ROSNANI GINTING , AULIA ISHAK , ALVIN SETIAWAN

2020

Prosiding seminar internasional

Integration of Kansei Engineering and Quality Function Deployment (QFD) for Product Development: A Literature Review

ROSNANI GINTING , AULIA ISHAK

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

2014

Jurnal nasional

Perbaikan Rancangan Produk Spring Bed dengan Menggunakan Metode Quality Function Deployment

IKHSAN SIREGAR , ROSNANI GINTING , LIA MARETTY PANGGABEAN

2013

Jurnal nasional

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

IKHSAN SIREGAR , ROSNANI GINTING , AKHMAD BAJORA NAST

2024

Jurnal nasional terakreditasi

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

HANDA RIVALDI HUSAL , ANIZAR , ROSNANI GINTING

2020

Prosiding seminar internasional

A Systematic Literature Review of Lean Six Sigma

ROSNANI GINTING , AULIA ISHAK , KHAWARITA SIREGAR

2020

Prosiding seminar internasional

Analysis Roofing Quality Control Using Statistical Quality Control (SQC) (Case Study: XYZ Company)

KHAWARITA SIREGAR , ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Product Design of Massage Cap by Using Nigel Cross Approach

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2026

Jurnal nasional terakreditasi

Combination Between Design for Assembly and Design for Serviceability Method in Concurrent Engineering: A Literature Review

AKBAR GADING ALFADLI HARAHAP , ROSNANI GINTING , AULIA ISHAK

2020

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

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

2020

Prosiding seminar internasional

Integration of Kansei Engineering and Quality Function Deployment (QFD) for Product Development : A Literature Review

ROSNANI GINTING , AULIA ISHAK

2020

Jurnal nasional

Pengukuran PotensiPemanfaatan ListrikTenaga Sinar Matahari di Kabupaten Langkat

JULIZA HIDAYATI , ROSNANI GINTING , MUHAMMAD ZULFIN

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

2020

Prosiding seminar internasional

Product Design of Massage Cap by Using Nigel Cross Approach

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

Designing File Organizer Product Design Using the Quality Function Deployment Method (QFD)

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Design of Multifunctional Wheelchair with Nigel Cross Method

AULIA ISHAK , ROSNANI GINTING

2026

Jurnal internasional bereputasi

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

2020

Prosiding seminar internasional

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

ROSNANI GINTING , KHAWARITA SIREGAR , AULIA ISHAK

2020

Prosiding seminar internasional

Integration of Kano Model and Quality Function Deployment (QFD) to Improve Product Quality: A Literature Review

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal internasional bereputasi

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

AULIA ISHAK , ROSNANI GINTING , ELSA SRI ERJUNI RUMAPEA , Pramodkumar Kataraki , Ahmad Faiz Zubair

2025

Jurnal internasional bereputasi

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

2016

Jurnal nasional

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

IKHSAN SIREGAR , ROSNANI GINTING

2013

Jurnal nasional

Penilaian Proses Perakitan Produk Saklar dengan Metode Qfd di PT X

IKHSAN SIREGAR , ROSNANI GINTING , AKHMAD BAJORA NAST

2020

Prosiding seminar internasional

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

KHAWARITA SIREGAR , AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

Product design of post-stroke static bicycle

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal internasional bereputasi

The Conceptual Integration of Quality Function Deployment and Value Engineering for Product Development: A Case Study of Water Dispenser

ROSNANI GINTING , RINALDI SILALAH , M. ALWI MARUNDURI

2014

Jurnal nasional terakreditasi

Perancangan Desain Produk Spring Bed Dengan Menggunakan Metode Quality Function Deployment

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Product Design of a Multifunctional Wheelchair Using Nigel Cross Approach

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Product Design of Post-Stroke Static Bicycle

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

Aromatherapy Pillow Design Using QFD Method to Cure Pinched Nerve

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

Orange Software Usage in Data Mining Classification Method on The Dataset Lenses

ROSNANI GINTING , AULIA ISHAK , KHAWARITA SIREGAR

2024

Jurnal nasional terakreditasi

Literature Review of Concurrent Engineering in Kansei Engineering and Ergonomic

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

Design of Anti Overload Bag product with the Nigel Cross Approach

ROSNANI GINTING , AULIA ISHAK

2023

Jurnal nasional terakreditasi

Macro Ergonomic Analysis and Design for Optimizing the Work Environment : A Literature Review

ROSNANI GINTING , LISTIANI NURUL HUDA

2020

Prosiding seminar internasional

Quality Control of Chopsticks Product Using Lean Six Sigma Approach Method

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Aromatherapy Pillow Design Using QFD Method to Cure Pinched Nerve

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK , KHAWARITA SIREGAR

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal nasional terakreditasi

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

SUCI AYU LESTARI , LISTIANI NURUL HUDA , ROSNANI GINTING , ROJA SAFITRIYAWI , TYA ULFAH

2023

Jurnal nasional terakreditasi

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

AULIA ISHAK , ROSNANI GINTING , TIA AMELIA

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

2023

Jurnal internasional bereputasi

Redesign of iron for assembly cost and time reduction using DFA

ROSNANI GINTING

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal internasional bereputasi

Bitewing Holder and Support Product Design Using Quality Function Deployment

ROSNANI GINTING , AULIA ISHAK , SUPRANATA

2023

Jurnal nasional terakreditasi

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

ROSNANI GINTING , LISTIANI NURUL HUDA

2024

Jurnal internasional bereputasi

Application of quality function deployment (QFD) and axiomatic design method for product design: study case compost waste product

AULIA ISHAK , ROSNANI GINTING , Sahala Siallagan

2026

Jurnal nasional terakreditasi

Perancangan ulang produk mixer dengan Metode Quality Function Deployment

AKBAR GADING ALFADLI HARAHAHAP , ROSNANI GINTING , AULIA ISHAK

2023

Jurnal internasional

Redesign of iron for assembly cost and time reduction using DFA

ROSNANI GINTING

2020

Jurnal internasional

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

AULIA ISHAK , ROSNANI GINTING

2018

Jurnal nasional

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

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

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal nasional terakreditasi

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

2020

Prosiding seminar internasional

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

AULIA ISHAK , ROSNANI GINTING

2018

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

Product Design of a Multifunctional Wheelchair Using Nigel Cross Approach

AULIA ISHAK , ROSNANI GINTING

2025

Jurnal nasional terakreditasi

Additive Manufacturing in Prosthetics Field: A Literature Review

ALFIN FAUZI MALIK , ROSNANI GINTING , AULIA ISHAK , FADYLLA RAMADHANI PUTRI NASUTION

2020

Prosiding seminar internasional

Integration of Quality Function Deployment (QFD) and Value Engineering in Improving the Quality of Product: A Literature Review

AULIA ISHAK , ROSNANI GINTING

2020

Prosiding seminar internasional

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

ROSNANI GINTING , AULIA ISHAK

2020

Prosiding seminar internasional

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

ROSNANI GINTING , KHAWARITA SIREGAR , AULIA ISHAK

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

2020

Prosiding seminar internasional

Designing File Organizer Product Design Using the Quality Function Deployment Method (QFD)

ROSNANI GINTING , AULIA ISHAK

Researches

2022

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

ROSNANI GINTING , AULIA ISHAK

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

2025

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

ALFIN FAUZI MALIK , ROSNANI GINTING

2016

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

NISMAH PANJAITAN , ROSNANI GINTING

2023

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

ROSNANI GINTING , AULIA ISHAK , HUMALA L NAPITUPULU

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

Intellectual Property Rights

2020

Hak cipta nasional

Integrated Model of Product Design Methods

ROSNANI GINTING

2020

Hak cipta nasional

Lintasan Produksi

ROSNANI GINTING

2020

Hak cipta nasional

Penjadwalan mesin : sistem, algoritma, pemecahan masalah dan penerapan

ROSNANI GINTING

2020

Hak cipta nasional

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

ROSNANI GINTING

2020

Hak cipta nasional

PERANCANGAN DAN PENGEMBANGAN PRODUK

ROSNANI GINTING
