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*Prof. Dr. Ir. Meilita Tryana Sembiring, S.T., M.T., was born in Medan on May 3, 1970, and works as a lecturer in the Department of Industrial Engineering and the Master's Program in Management at Universitas Sumatera Utara. She is commonly known as Meilita and specializes in studies related to Industrial Engineering and Management, including Supply Chain Management, Operations Research, Data Mining, Manufacturing Systems, as well as the Design, Maintenance, and Repair of Machinery and Auxiliary Equipment.*

*Meilita earned her Doctorate from the Bogor Agricultural University in 2015. She has also participated in training for the Higher Education Development Support (HEDS) Project in Indonesia at Toyohashi University of Technology in Nagoya, Japan. Her primary research interest is in Supply Chain Management (SCM), with one of her studies focusing on the "Business Model of the Palm Oil-Based Biodiesel Supply Chain." In this study, she developed models and applied technology to address issues within the supply chain.*

*As an innovator, Meilita has implemented her expertise by creating applications that facilitate online learning activities. Additionally, she is involved in developing technology aimed at helping the community with easier methods for drying clothes.*

*Meilita has been recognized with the Satyalancana Karya Satya XX Year 2022 award from the President of the Republic of Indonesia. Currently, she serves as the Head of the Master's Program in Management and is actively involved in international organizations such as IEOM, as well as serving as the Chair of the Industrial Engineering Cooperation Agency (BKSTI) for the North Sumatra-Aceh Region.*

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## Publications

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2019

Prosiding seminar internasional

### **Fulfilling Eucalyptus raw materials for pulp and paper production plants**

MEILITA TRYANA SEMBIRING

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2023

Prosiding seminar nasional

### **E-Marketing Strategies on Insurance Product Sales Using Soar Analysis**

MEILITA TRYANA SEMBIRING

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2022

Jurnal nasional

### **Penerapan Seven Tools untuk Mengidentifikasi Kadar Limbah Cair (POME) di Perusahaan Kelapa Sawit**

MEILITA TRYANA SEMBIRING

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2025

Jurnal nasional terakreditasi

### **Increasing Production Productivity by Improving Facility Layout Using the BLOCPAN Method, Systematic Layout Planning, and Differential Evolution Algorithm**

IR. UKURTA TARIGAN, MT, MEILITA TRYANA SEMBIRING, KHALIDA SYAHPUTRI, BENY ALPONSO SARAGIH, INDAH RIZKYA TARIGAN

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2023

Prosiding seminar nasional

### **Analyze the Effect of Motivation, Self-Efficacy, and Reward on Improving the Employees' Performance at Pt. Trakindo Utama Medan Branch**

2015

Jurnal nasional

## **Biodiesel Production Cost Assessment from Different Palm Oil Raw Material as Feedstock**

MEILITA TRYANA SEMBIRING

2021

Jurnal nasional terakreditasi

## **Analysis of graduation prediction on time based on student academic performance using the Naïve Bayes Algorithm with data mining implementation (Case study: Department of A ...**

MEILITA TRYANA SEMBIRING

2020

Prosiding seminar internasional

## **Decision Tree to Predict the Color Quality of Refined Bleached Deodorized Palm Oil (RBPO)**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar internasional

## **Promotional Strategies Using Online Media to Increase Sales at PT. X Medan Branch**

MEILITA TRYANA SEMBIRING , SUGIHARTO P

2023

Jurnal internasional

## **The Effect of Education and Training, as Well as Self-efficacy on Improving the Performance of Civil Servants in Civilized Disaster Management Countries**

YENI ABSAH , Ocvita Ellianora Harahap , MEILITA TRYANA SEMBIRING

2024

Jurnal internasional bereputasi

## **Streamlining logistics: Innovating cross-docking distribution systems for operational excellence**

ROSNANI GINTING , MEILITA TRYANA SEMBIRING

2023

Prosiding seminar internasional

## **Hybrid-based approach to support decision forest management: A review**

MEILITA TRYANA SEMBIRING , NURHAYATI , HUMALA L NAPITUPULU , AULIA ISHAK

2023

Prosiding seminar nasional

## **The Relationship Between Certification, Motivation, and Teacher's Performance at SMK Swasta Harapan Stabat**

MEILITA TRYANA SEMBIRING

2023

Jurnal internasional

## **EVALUATION OF THE USE OF GOVERNMENT CREDIT CARDS AS A MEANS OF PAYMENT FOR STATE EXPENDITURES TRANSACTIONS AT THE BPK REPRESENTATIVE FOR NORTH SUMATRA PROVINCE**

MEILITA TRYANA SEMBIRING , SILVIA FEBRINA LUBIS, S.E , RULIANDA PURNOMO WIBOWO

2020

Prosiding seminar internasional

## **Optimization of Plantation in Various Countries Using a Dynamic Model Approach**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

## **THE INFLUENCE OF TRANSFORMATIONAL LEADERSHIP STYLE AND**

# COMPENSATION ON EMPLOYEE PERFORMANCE DIMEDIATION OF WORK SATISFACTION AT PT. TOR GANDA

MEILITA TRYANA SEMBIRING

2021

Jurnal nasional terakreditasi

## **Pemodelan Rantai Pasok Fleksibel pada Pemurnian Minyak Sawit: Studi Kasus di PT X**

MEILITA TRYANA SEMBIRING

2020

Prosiding seminar internasional

## **Optimization of plantation in various countries using a dynamic model approach**

NURHAYATI , HUMALA L NAPITUPULU , MEILITA TRYANA SEMBIRING , AULIA ISHAK

2022

Prosiding seminar internasional

## **Eucalyptus replanting model representation for sustainable productivity: A review**

NURHAYATI , MEILITA TRYANA SEMBIRING , AULIA ISHAK , HUMALA L NAPITUPULU

2023

Prosiding seminar nasional

## **The Influence of Employee Discipline and Competency on Employee Performance at PT. Prima Indonesia Logistik in Belawan City**

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

## **ANALISIS KUALITAS LAYANAN MENGGUNAKAN SERVQUAL METODE (STUDI KASUS PENGINAPAN GREEN VILLAGE RESIDENCE MEDAN)**

MEILITA TRYANA SEMBIRING

2017

Prosiding seminar internasional

## **Defect Analysis of Quality Palm Kernel Meal Using Statistical Quality Control in Kernels Factory**

MEILITA TRYANA SEMBIRING

2019

Jurnal nasional terakreditasi

## **The Evaluation of Crude Oil Production Based on Gross Profit Worth (GPW), Margin, Blending Process and Collaboration Supply Chain**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional

## **EMPLOYEE PERFORMANCE IMPROVEMENT STRATEGY IN EFFORTS TO IMPROVE CUSTOMER RELATIONS USING HIERARCHY PROCESS ANALYSIS AND CUSTOMER RELATIONSHIP MANAGEMENT METHODS AT PT. MASAJIÁ ...**

MEILITA TRYANA SEMBIRING

2016

Jurnal nasional terakreditasi

## **Perencanaan dan Penjadwalan Produksi Green Tea dengan Pendekatan Theory of Constraint pada Pt. XYZ**

MEILITA TRYANA SEMBIRING , HUMALA L NAPITUPULU

2025

Jurnal internasional bereputasi

## **AI-Driven Metaheuristic Optimization of Facility Layouts for Safety, Sustainability, and Adaptability in Smart Manufacturing.**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar internasional

## **Implementation of Total Quality Management (TQM) at PT XYZ's Soap Bar Packing Line to Fulfill Unilever's Demand by Using SWOT Analysis and IFAS EFAS Matrix**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

## **Ekonomi Sirkular pada Manajemen Rantai Pasok Agroindustri: Konseptual dan Rancangan Implementasi**

YUSRIANA , MEILITA TRYANA SEMBIRING

2015

Tulisan ilmiah

## **Model Biaya Produksi Biodiesel Berbasis Minyak Sawit**

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

## **Strategi Bisnis dalam Menghadapi Persaingan Data Center Pasca Pandemi di Indonesia (Studi Kasus: PT. XYZ Medan)**

MEILITA TRYANA SEMBIRING , RULIANDA PURNOMO WIBOWO

2022

Jurnal internasional bereputasi

## **Electronic-Based Information Flow Model Design As a Basis For Determining The Price of Coffee Beans in Tanah Karo**

MEILITA TRYANA SEMBIRING

2022

Jurnal nasional terakreditasi

## **The Measurement Of Employee Performance With A Human Resource Scorecard Methods: A Study Case in PDAM MEDAN**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

## **Analisis Strategi Pemasaran dengan Pendekatan Generik Porter dan SWOT dalam Membentuk Retensi Pelanggan (Studi Kasus di PT Charoen Pokphand Indonesia, Poultry Integration)**

MEILITA TRYANA SEMBIRING , SUKARIA SINULINGGA

2017

Prosiding seminar nasional

## **Analysis of Business Process at PT XYZ by Using Scor Thread Diagram**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar internasional

## **Implementation of Total Quality Management (TQM) at PT XYZ's Soap Bar Packing Line to Fulfill Unilever's Demand by Using SWOT Analysis and IFAS EFAS Matrix**

MEILITA TRYANA SEMBIRING , IR H NAZARUDDIN MATONDANG MTPHD

2022

Jurnal nasional terakreditasi

## **Analisis Permasalahan Menggunakan Cause and Effect Diagram, Fault Tree Analysis dan Afinity Diagram Proses Produksi Stasiun Persiapan**

MEILITA TRYANA SEMBIRING

2023

Jurnal internasional bereputasi

## **Product Recommendations Using Market Basket Analysis with FP-Growth and Clustering Techniques**

2021

Prosiding seminar internasional

**Consumers affection analysis of chocolate product using Kansei Engineering**

MEILITA TRYANA SEMBIRING , DINI WAHYUNI

2024

Jurnal nasional terakreditasi

**Business Process Improvement Design for Academic Administration in Supporting the Achievement of Timely Graduates in the Master of Management Study Program at the University of North Sumatra**

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional terakreditasi

**STRATEGY TO INCREASE ANNUAL PREMIUM EQUIVALENT (APE) FROM BANCASSURANCE PRODUCTS AT BCA REGIONAL OFFICE V MEDAN**

MEILITA TRYANA SEMBIRING

2021

Jurnal internasional

**Integration of Quality Function Deployment Method with Theory of Inventive Problem Solving in an Effort to Improve Clean Water Quality in Tirtanadi Regional Drinking Water Company Sunggal Medan Branch**

MEILITA TRYANA SEMBIRING , HUMALA L NAPITUPULU

2021

Jurnal internasional bereputasi

**Integration of Quality Function Deployment Method with Theory of Inventive Problem Solving in an Effort to Improve Clean Water Quality in Tirtanadi Regional Drinking Water Company Sunggal Medan Branch**

HUMALA L NAPITUPULU , MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

**Analisis Kualitas Pelayanan (Servqual) dalam Meningkatkan Minat Beli Ulang Pelanggan Kafe “Selasa\_Communa”, Kota Medan**

MEILITA TRYANA SEMBIRING , SUKARIA SINULINGGA

2020

Prosiding seminar internasional

**Production floor layout design for vise manufacturing using CRAFT algorithm**

MUHAMMAD HAIKAL KARANA SITEPU , MEILITA TRYANA SEMBIRING

2023

Jurnal internasional bereputasi

**Eucalyptus replanting model through system dynamic method a solution to current environmental pollution**

MEILITA TRYANA SEMBIRING , NURHAYATI , AULIA ISHAK

2023

Prosiding seminar nasional

**The Influence of Work Environment and Reward Programs on Turnover Intentions Through Work Loyalty at PT. Metallic Bara Synergy, Jambi**

MEILITA TRYANA SEMBIRING

2021

Prosiding seminar internasional

**Determination of Optimum Animal Feed Raw Material Order Allocation**

DINI WAHYUNI , MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

**Analisis Perbaikan Proses Hauling Material Timbunan dari Quarry ke Lokasi Proyek Konstruksi**

2016

Jurnal nasional

## **Perencanaan dan Penjadwalan Produksi Green Tea dengan Pendekatan Theory of Constraint pada PT. XYZ**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar nasional

## **Relationship Between Employee Discipline and Working Environment in Improving Employee Performance at CV. Rahmad Syariah Swalayan**

MEILITA TRYANA SEMBIRING

2024

Jurnal internasional bereputasi

## **DESIGNING AN ACTIVITY CONTROL MODEL FOR FOSTERING COLLABORATION IN ORGANIZATIONS USING THE COSO FRAMEWORK**

MEILITA TRYANA SEMBIRING

2025

Prosiding seminar internasional

## **Business Model Canvas (BMC) for Drying Post-Harvest Coffee Beans in Java and Sumatra with Solar Dryer Dome and Artificial Intelligence Technology**

M ZAKY HADI , MUHAMMAD RIEZKY ANINDHITYA LAKSMANA , MEILITA TRYANA SEMBIRING , NOVIKA ZUYA

2020

Prosiding seminar nasional

## **Sustainability assessment in construction industry supply network: a review**

MEILITA TRYANA SEMBIRING

2020

Prosiding seminar internasional

## **Simulation Model of Replanting Eucalyptus : A Review**

HUMALA L NAPITUPULU , NURHAYATI , MEILITA TRYANA SEMBIRING

2020

Prosiding seminar nasional

## **Balanced Scorecard in The Integration of Corporate Strategic Planning and Performance: A Literature Review**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

## **FRAMING OF THE CERTIFICATION OF ROUNDTABLE ON SUSTAINABLE PALM OIL (RSOP) FARMER'S ASSISTANCE PROGRAM STRATEGY IN SOUTH TAPANULI WITH ASSET-BASED COMMUNITY DEVELOPMENTÂ ...**

MEILITA TRYANA SEMBIRING

2019

Jurnal nasional

## **Pengurangan efek Bullwhip pada Vendor Tunggal dan Eceran Multi di PT.XYZ**

MEILITA TRYANA SEMBIRING

2024

Artikel ilmiah

## **Strategi Peningkatan Current Account (Rekening Giro) PT Bank Central Asia TBK KCU Medan**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar internasional

## **E-Marketing Strategies on Insurance Product Sales Using Soar Analysis**

MEILITA TRYANA SEMBIRING , ISKANDARINI

2020

Jurnal nasional terakreditasi

# Material handling selection for vise manufacturing using Hassan algorithm

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar nasional

## The Relationship Between Certification, Motivation, and Teacher's Performance at SMK Swasta Harapan Stabat

MEILITA TRYANA SEMBIRING

2021

Prosiding seminar internasional

## A review: hybrid simulation in forestry supply chain

MEILITA TRYANA SEMBIRING , HUMALA L NAPITUPULU , NURHAYATI , AULIA ISHAK

2023

Jurnal nasional

## Analisis Kualitas Pelayanan (Servqual) dalam Meningkatkan Minat Beli Ulang Pelanggan Kafe "Selasa\_Communa", Kota Medan

MEILITA TRYANA SEMBIRING

2018

Prosiding seminar internasional

## Consumer affection analysis of chocolate product using Kansei Engineering

MEILITA TRYANA SEMBIRING

2019

Jurnal nasional terakreditasi

## Evaluasi Produksi Minyak Mentah Gross Profit Worth (GPW), Margin, Proses Blending dan Kolaborasi Rantai Pasok

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional terakreditasi

## Design of Corrugated Cardboard Product Delivery Allocation Model by Considering Heterogeneous Fleet and Multi Product

MEILITA TRYANA SEMBIRING , IR H NAZARUDDIN MATONDANG MTPHD , NOVIKA ZUYA

2019

Jurnal nasional terakreditasi

## Capacity Requirements Planning in Water Injection Plant (WIP) Facilities of the Exploration Wells at Oil Company

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

## FACTORS INFLUENCING THE MATURITY LEVEL OF ELECTRONIC-BASED GOVERNMENT SYSTEM MANAGEMENT DOMAIN IMPLEMENTATION

MEILITA TRYANA SEMBIRING

2022

Artikel ilmiah

## Pemodelan Rantai Pasok Fleksibel Pada Pemurnian Minyak Sawit : Studi Kasus di PT X

MEILITA TRYANA SEMBIRING , DINI WAHYUNI , SUKARIA SINULINGGA

2023

Prosiding seminar nasional

## The Effect of Self-Efficacy and Readiness for Change on Employee Performance with Motivation as Intervening Variable (Study on Frontliner Employees at State-Owned Enterprise ...

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional terakreditasi

## Model for Determining the Optimum Marketing Strategy for Schneider Electric Products Using Game Theory Approach (Case Study: Authorized

## **Distributor Schneider Electric)**

MEILITA TRYANA SEMBIRING , ANIZAR

2022

Prosiding seminar nasional

### **Marketing Mix Strategy Using SWOT Analysis to Increase Market Share in PT Smartfren Telecom Tbk North Sumatera Area**

MEILITA TRYANA SEMBIRING , BEBY KARINA FAWZEEA

2020

Prosiding seminar internasional

### **A review of sustainable replanting eucalyptus: Higher sustainable productivity**

NURHAYATI , HUMALA L NAPITUPULU , MEILITA TRYANA SEMBIRING

2019

Jurnal nasional

### **Demand Forecasting Smartphone X SeiringSeiring Perkembangan Teknologi di Provinsi Sumatera Utara**

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

### **Analisis Strategi Pemasaran Pada Coffee Shop (Studi Kasus Pada Misi Kopi Kota Tebing Tinggi)**

MEILITA TRYANA SEMBIRING

2025

Prosiding seminar internasional

### **Optimization of Delivery Allocation for Enhanced Fleet Utilization and Trip Minimization: A Case Study from an Indonesian Manufacturing Company**

MEILITA TRYANA SEMBIRING , M ZAKY HADI , MUHAMMAD RIEZKY ANINDHITYA LAKSMANA , NOVIKA ZUYA

2025

Jurnal nasional terakreditasi

### **OPTIMIZATION OF TEACHER QUALITY CONTROL AT BAGAN BATU DEVELOPMENT COLLEGE FOUNDATION WITH E-MONEVA**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

### **EKONOMI SIRKULAR PADA MANAJEMEN RANTAI PASOK AGROINDUSTRI: KONSEPTUAL DAN RANCANGAN IMPLEMENTASI.**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

### **EVALUATION OF THE USE OF GOVERNMENT CREDIT CARDS AS A MEANS OF PAYMENT FOR STATE EXPENDITURES TRANSACTIONS AT THE BPK REPRESENTATIVE FOR NORTH SUMATRA PROVINCE**

MEILITA TRYANA SEMBIRING , RULIANDA PURNOMO WIBOWO

2023

Jurnal nasional terakreditasi

### **Workload Analysis of Employee Needs at PT. Jamkrindo Medan Branch Office**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

### **UTILIZING SCIENCE DATA TO INCREASING THE NUMBER MSME DEBTORS AT PT. BANK CENTRAL ASIA. TBK (CASE STUDY OF PT. BANK CENTRAL ASIA. TBK KCU TEBING TINGGI)**

MEILITA TRYANA SEMBIRING

2021

Prosiding seminar nasional

### **Rice distribution planning using distribution resources planning (DRP)**

## method

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

### **STRATEGIES AND IMPROVEMENT PRIORITIES AGAINST CONSTRAINTS IMPLEMENTATION OF ROUNDTABLE ON SUSTAINABLE PALM OIL (RSPO) AT PT XYZ PKS C**

MEILITA TRYANA SEMBIRING

2018

Prosiding seminar nasional

### **A Shortest Route Metaheuristic Method for Oil Palm Fresh Fruit Bunch (FFB) Transportation Based on Genetic Algorithm: A Case Study in Ptpn X Indonesia**

MEILITA TRYANA SEMBIRING

2022

Prosiding seminar internasional

### **FOQUS (Focus And Quota Saver) Application for Effective Learning in Online and Digitalized Classroom (A Study Case in SDS Yayasan Pembangun Didikan Islam)**

MEILITA TRYANA SEMBIRING

2021

Jurnal nasional terakreditasi

### **A review of modeling, and simulation for sustainable replanting eucalyptus**

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar nasional

### **The Effect of Self-Efficacy and Readiness for Change on Employee Performance with Motivation as Intervening Variable (Study on Frontliner Employees at State-Owned EnterpriseÂ ...**

MEILITA TRYANA SEMBIRING

2021

Jurnal internasional bereputasi

### **Analysis of graduation prediction on time based on student academic performance using the Naïve Bayes Algorithm with data mining implementation (Case study: Department ofÂ ...**

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional

### **Prima Tourism Education Development Strategy Selemak Village**

RULIANDA PURNOMO WIBOWO , MEILITA TRYANA SEMBIRING , QAEDINA TIO ATHIRA

2021

Prosiding seminar internasional

### **Modelling Operation of Logistics Management in Modern Market: a case study in Indonesian Retail Company**

DINI WAHYUNI , MEILITA TRYANA SEMBIRING

2020

Jurnal nasional terakreditasi

### **Production Optimization Design in Supply Chain Crude Palm Oil with Genetic Algorithm Method**

MEILITA TRYANA SEMBIRING

2021

Buku lainnya

### **Data Science: Strategi UMKM dalam Pengambilan Keputusan**

MEILITA TRYANA SEMBIRING

2023

Jurnal nasional terakreditasi

# Evaluation of Market Operation Policy using System Dynamics

MEILITA TRYANA SEMBIRING

2021

Prosiding seminar nasional

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

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional

## Strategy to Increase the Yield of Fresh Fruit Bunch (FFB) Harvesting Process with Lean Agriculture Method at PTPN IV Palmco Regional II Marjandi Estate

MEILITA TRYANA SEMBIRING , YENI ABSAH , M. JULYANDA

2021

Prosiding seminar internasional

## Simulation of Dynamic System to Assist Policy Formulation and Prevention and Mitigation Strategies Spread of COVID-19 in Medan

MEILITA TRYANA SEMBIRING

2023

Prosiding seminar nasional

## Workload Analysis in Determining the Number of Employees of the Engineer Division and Development Division at Belawan Container Service Company

MEILITA TRYANA SEMBIRING

2017

Prosiding seminar internasional

## Designing testing service at baristand industri Medan's liquid waste laboratory

MEILITA TRYANA SEMBIRING

2020

Prosiding seminar nasional

## Lean Technology Implementation for Reducing the Dwelling Time Level

MEILITA TRYANA SEMBIRING

2018

Prosiding seminar internasional

## Human resource scorecard based human resource (HR) assessment system design

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional terakreditasi

## EVALUATION OF THE QUALITY OF ACADEMIC ADMINISTRATION SERVICES AT THE FACULTY OF VOCATIONAL SCIENCES, UNIVERSITY OF NORTH SUMATRA

MEILITA TRYANA SEMBIRING , EVAWANY YUNITA ARITONANG , AKBAR REZA PRATAMA

2023

Jurnal nasional terakreditasi

## The Influence of Human Relation and Work Environment on Employee Performance at Industry and Trade Office of North Sumatera Province

MEILITA TRYANA SEMBIRING

2024

Jurnal nasional terakreditasi

## Evaluation of Container Yard Locations Using Discrete Simulation Method

MEILITA TRYANA SEMBIRING , SUKARIA SINULINGGA

2024

Jurnal nasional terakreditasi

## Business process improvement design for academic administration in supporting the achievement of timely graduates in the master of management study program at the University of ...

2025

Jurnal nasional

### **Strategi Pengembangan Ekosistem Keuangan (Close Payment) Cluster Bisnis Pertanian Jagung pada BRI KCP Tiga Binanga**

MEILITA TRYANA SEMBIRING , SUGIHARTO P , JOEANDA

2016

Jurnal nasional terakreditasi

### **Optimasi Perencanaan Produksi dengan Membandingkan Metode Goal Programming dan Metode Fuzzy Goal Programming**

MEILITA TRYANA SEMBIRING

2025

Jurnal nasional

### **Analysis of Co-Working Space Business Strategy with SWOT Method to Increase Visitors and Market Expansion: Case Study of ICO Space Medan**

MEILITA TRYANA SEMBIRING , ISKANDARINI , POPPY YOSEPHINE SUKATENDEL

2023

Jurnal nasional terakreditasi

### **STRATEGY FOR INCREASING THE FUNDRAISING OF CURRENT ACCOUNT PRODUCT AT PT BANK XYZ KCP A MEDAN**

MEILITA TRYANA SEMBIRING

2022

Jurnal nasional terakreditasi

### **The Measurement Of Employee Performance With A Human Resource Scorecard Methods: A Study Case in PDAM MEDAN: PERFORMANCE**

MEILITA TRYANA SEMBIRING

2024

Jurnal internasional bereputasi

### **Streamlining logistics: Innovating cross-docking distribution systems for operational excellence**

ROSNANI GINTING , MEILITA TRYANA SEMBIRING , ALBERTUS LAURENSIUS SETYABUDHI

2023

Jurnal internasional bereputasi

### **Analysis of Company Organizational Support for Millennial Employee Loyalty through Organizational Culture Mediation**

ISKANDARINI , MEILITA TRYANA SEMBIRING

2017

Prosiding seminar nasional

### **Determination of service standart time for liquid waste parameter in certification institution**

MEILITA TRYANA SEMBIRING

## **Researches**

2024

Penelitian Fundamental

### **Peningkatan Kapasitas Produksi Industri Furniture dengan Perbaikan Tata Letak Fasilitas Menggunakan Berbagai Metode Tata Letak Fasilitas**

INDAH RIZKYA TARIGAN , KHAWARITA SIREGAR , KHALIDA SYAHPUTRI , MEILITA TRYANA SEMBIRING , IR. UKURTA TARIGAN, MT , FANNY FAZIRA , FIRDA SARI , WIJAYA KUSUMA NASUTION

2016

Penelitian Unggulan Perguruan Tinggi

### **Model Perkiraan Biaya Dan Kebijakan Pendukung Harga Jual Pada Rantai Pasok Industri Biodiesel Berbasis Minyak Sawit**

NISMAH PANJAITAN , MEILITA TRYANA SEMBIRING

2021  
Ipteks

## **Aplikasi Aliran Informasi Tingkat Petani dan Pengepul Sebagai Dasar Penentuan Harga Kopi di Tanah Karo**

MEILITA TRYANA SEMBIRING

2024  
Penelitian Fundamental

## **Identifikasi Faktor Pendorong/Penghambat Adopsi/Difusi Elektrifikasi Transportasi di Indonesia: Perumusan Strategi Ekonomi Hijau untuk Mempercepat Net Zero Emission**

MUH. HISJAM , WAHYUDI SUTOPO , NIDA AN KHOFIYAH , HOTNIAR SIRINGORINGO , MEILITA TRYANA SEMBIRING , ISNA NUGRAHA

2023

## **IMPLEMENTASI E-MARKETING SEBAGAI STRATEGI PEMASARAN PRODUK ASURANSI DI SUMATERA UTARA**

ISKANDARINI , MEILITA TRYANA SEMBIRING

2024  
Penelitian Fundamental

## **Identifikasi Faktor Pendorong/Penghambat Adopsi-difusi Elektrifikasi Transportasi di Indonesia: Perumusan Strategi Ekonomi Hijau Untuk Mempercepat Net Zero Emission**

MUH. HISJAM , WAHYUDI SUTOPO , NIDA AN KHOFIYAH , HOTNIAR SIRINGORINGO , MEILITA TRYANA SEMBIRING , ISNA NUGRAHA

2023  
Ipteks Bagi Wilayah

## **Penyusunan Layanan Proses Bisnis Sentra IKM Kabupaten Humbang Hasundutan Tahun 2023**

MEILITA TRYANA SEMBIRING

2018

## **Desain model optimasi jaringan rantai pasok industri pemurnian minyak sawit**

DINI WAHYUNI , MEILITA TRYANA SEMBIRING

2016

## **Model perkiraan biaya dan kebijakan pendukung harga jual pada rantai pasok industri biodiesel berbasis minyak sawit**

NISMAH PANJAITAN , DINI WAHYUNI , JULIZA HIDAYATI , MEILITA TRYANA SEMBIRING

## **Community Services**

2022  
Ipteks Bagi Masyarakat

## **Pengolahan dan Pemanfaatan Sumber Daya Alam Hasil Laut untuk Pembuatan Tepung Ikan di Desa Sentang Kecamatan Mengkudu Kabupaten Serdang Bedagai**

DR IRIANY, IR, MSC , RENITA MANURUNG , HAMIDAH HARAHAHAP , MEILITA TRYANA SEMBIRING

2016

## **Model Perkiraan Biaya dan Kebijakan Pendukung Harga Jual pada Rantai Pasok Industri Biodiesel Berbasis Minyak Sawit**

JULIZA HIDAYATI , MEILITA TRYANA SEMBIRING

2024  
Ipteks Bagi Masyarakat

## **Laporan Akhir Pengabdian kepada Masyarakat Mandiri: Pembinaan UMKM untuk Meningkatkan Kinerja Usaha**

IR H NAZARUDDIN MATONDANG MTPHD , ISKANDARINI , MUHAMMAD RIEZKY ANINDHITYA LAKSMANA , RULIANDA PURNOMO WIBOWO , MEILITA TRYANA SEMBIRING , IKHSAN SIREGAR

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2017

**Pentingnya pencerahan pengetahuan produk halal dan baik pada makanan dan kosmetik bagi siswa SMA yayasan sekolah terpadu Khairul Imam**

NISMAH PANJAITAN , DINI WAHYUNI , MEILITA TRYANA SEMBIRING

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2025

**Pelatihan Pendampingan dalam Rangka Pembinaan UMKM di Tanah Karo**

IR H NAZARUDDIN MATONDANG MTPHD , ISKANDARINI , GENESIS SEMBIRING DEPARI , MEILITA TRYANA SEMBIRING

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2016

**Penggembur tanah untuk meningkatkan produktivitas petani palawija**

DINI WAHYUNI , INDAH RIZKYA TARIGAN , MEILITA TRYANA SEMBIRING

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2022

Ipteks Bagi Masyarakat

**Sosialisasi kesadaran halal untuk peningkatan smart buyer terhadap produk-produk halal pada civitas akademika di lingkungan Universitas Sumatera Utara**

DINI WAHYUNI , ROSMERY , RENITA MANURUNG , Khairunnisa Lubis , MEILITA TRYANA SEMBIRING , DR LISNAWITA SP, MSI

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2008

**Penyuluhan peningkatan produktivitas muslimah di kelurahan tanjung rejo kecamatan medan perjuangan**

DINI WAHYUNI , TUTI SARMA SINAGA , NURHAYATI , MEILITA TRYANA SEMBIRING

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2025

**Pelatihan Pendampingan dalam Rangka Pembinaan UMKM di Tanah Karo**

IR H NAZARUDDIN MATONDANG MTPHD , ISKANDARINI , GENESIS SEMBIRING DEPARI , MEILITA TRYANA SEMBIRING , NISRUL IRAWATI

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