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*Dr. Zahedi, M.Si. was born in Medan on September 16, 1961. Currently, he is a Mathematics lecturer at Universitas Sumatera Utara. He completed his doctoral degree in Mathematics at Universitas Sumatera Utara in 2018.*

## Publications

2025

Jurnal nasional terakreditasi

### **Influence of World Development Indicators on Human Development: A Multiple Linear Regression and PSI Ranking Approach**

IRVAN , MARAH DOLY NASUTION , SISWADI , ZAHEDI , KRISHNA PRAFIDYA ROMANTICA

2025

Jurnal internasional bereputasi

### **A study comparative of PSI, PSI-TOPSIS, and PSI-MABAC methods in analyzing the financial performance of state-owned enterprises companies listed on the Indonesia stock exchange**

ZAHEDI , RIZKY NABILA WARDANY

2025

Jurnal internasional bereputasi

### **Ranking Quality of Life Index in Indonesian Provinces: A Multicriteria Approach for Sustainable Regional Development**

ZAHEDI , BADAI CHARAMSAR NUSANTARA , DITA MUTHIA

2024

Jurnal internasional bereputasi

### **Comparative Analysis of Response Surface Methodology (RSM) and Taguchi Method: Optimization Hydraulic Ram Pump Performance**

CHAHYANI ROMELIN , BADAI CHARAMSAR NUSANTARA , ZAHEDI

2024

Jurnal internasional bereputasi

### **Influence of activators on spent coffee grounds as biosorbent for chromium: Original scientific paper**

ZAHEDI

2024

Jurnal internasional bereputasi

### **Comparative analysis of QUEST and CHAID decision tree methods in assessing the performance of conventional commercial banks**

ZAHEDI , BADAI CHARAMSAR NUSANTARA , WINONA NOVA MEILINDA SARAGIH

2024

Jurnal nasional terakreditasi

### **C Program as a Tool for the Teaching of Second Order Ordinary Differential Equation**

AMIN HARAHAP , ZAHEDI , ANSORUDDIN , WINGKOLATIN , EFENDI , ENOS LOLANG

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2023

Jurnal internasional bereputasi

### **Maple as a tool for the teaching of cyclotomic polynomials elementarily**

SUPARNI , SISWADI , ALMIRA AMIR , FAJRIANA , ZAHEDI

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2023

Jurnal nasional terakreditasi

### **Pengendalian Kualitas Produksi Bibit F2 Jamur Tiram Putih (Pleurotus Ostreatus) Menggunakan Metode Six Sigma**

ZAHEDI , SURYATI SITEPU , SUYANTO

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2022

Artikel ilmiah

### **PENERAPAN METODE IMPROVED EXPONENTIAL APPROACH DALAM MENYELESAIKAN MASALAH TRANSPORTASI FUZZY DI PERUM BULOG SUB. DIVRE MEDAN**

ZAHEDI

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2022

Buku lainnya

### **SIMPLIFIED FORMULAS FOR SOME BESSEL FUNCTIONS AND THEIR APPLICATIONS IN EXTENDED SURFACE HEAT TRANSFER**

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Jurnal nasional terakreditasi

### **Simplified Formulas for Some Bessel Functions and Their Applications in Extended Surface Heat Transfer**

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2022

Jurnal internasional bereputasi

### **Some Applications of Cubic Equations in Engineering**

ZAHEDI

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2021

Prosiding seminar internasional

### **Maple as a tool to understand marketing game for up to four companies**

ZAHEDI

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2019

Artikel ilmiah

### **Bilangan Bulat dan Kekeliruan dalam Operasi Matematika**

ZAHEDI

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2019

Prosiding seminar internasional

### **An Overview Graphs Theory and Its Application in Various Scientific Field**

SUPARNI , YENNY SUZANA , ZAHEDI

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2019

Prosiding seminar internasional

### **Strategic Analysis of Sustainable Forest Management with Graph Model for Conflict Resolution**

ZAHEDI

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## **Researches**

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2022

Ipteks Bagi Masyarakat

### **Etnomatematika: Eksplorasi dan Implementasi Matematika Dalam Perspektif Multi Disiplin Pada Budaya Suku Mandailing**

SUYANTO , SURYATI SITEPU , ZAHEDI

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## Community Services

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Hibah HI-LINK

**Pemenuhan Kebutuhan Air Minum Dengan Pompa Hidram dan Pelatihan Budidaya Hidroponik dan Ikan Air Tawar Bagi Masyarakat di Desa Bingkawan Kecamatan Sibolangit, Kabupaten Deli Serdang**

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