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*Ade Sarah Huzaifah earned her Bachelor's degree in Computer Science from Universitas Sumatera Utara in 2009. She then continued her education in Informatics Engineering at the same university, completing her Master's degree in 2014. Her research interests focus on Computational Intelligence, where she develops innovative methods in data processing.*

## Publications

2025

Jurnal nasional terakreditasi

### **Efisiensi Energi Pada Kinerja Protocol Routing DSDV Berbasis Collision di Wireless Sensor Network**

ADE SARAH HUZAIFAH

2025

Jurnal nasional terakreditasi

### **Digitalisasi Operasional UMKM Indekos: Implementasi Aplikasi Manajemen Penghuni, Pembayaran, dan Keluhan di Kota Medan**

FRANS MIKAEL SINAGA , ALI AKBAR LUBIS , RICHE , ADE SARAH HUZAIFAH , JEFRI JUNIFER PANGARIBUAN

2025

Jurnal nasional terakreditasi

### **MENDORONG LITERASI BISNIS BERBASIS ARTIFICIAL INTELLIGENCE PADA MAHASISWA TEKNOLOGI INFORMASI MELALUI SEMINAR STARTUP DIGITAL**

ADE SARAH HUZAIFAH

2025

Jurnal nasional terakreditasi

### **Web-Based Smart System for Mental Health Prediction to Educate the Community of Tangkahen Village in Supporting Healthy and Prosperous Living**

ADE SARAH HUZAIFAH

2025

Jurnal nasional

### **PENGEMBANGAN KETERAMPILAN MAHASISWA MULTIDISIPLINER DALAM BIDANG DATA ANALYST DAN AI MELALUI PROGRAM MBKM**

ADE SARAH HUZAIFAH , R. A. FATTAH ADRIANSYAH

2024

Jurnal nasional

### **Peningkatan Kompetensi Mahasiswa di Bidang Network Computer dan Cyber Security melalui Program Studi Independen Merdeka Belajar Kampus Merdeka**

ADE SARAH HUZAIFAH

2024

Jurnal nasional terakreditasi

### **Peningkatan Keterampilan Motorik Halus Terhadap Siswa TK Darul Ilmi**

## **Murni Melalui Kegiatan Merakit Robot Dengan Barang Bekas Sebagai Permainan Edukatif**

ADE SARAH HUZAIFAH

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2023

Jurnal nasional terakreditasi

### **Analisa Perangkat Jaringan Komputer Kampus**

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2023

Jurnal nasional terakreditasi

### **Expert System for Diagnosing Diseases in Cats Using the Forward Chaining Method**

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2021

Buku lainnya

### **Impact of Evaporation on the Performance of Ant Colony Optimization-Based Routing Protocols on the Wireless Sensor Network**

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2020

Jurnal nasional

### **Product and service marketing workshop by using online marketplace in Durin Tonggal Village**

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2015

Jurnal nasional

### **Pengukuran Kinerja Partially Mapped Crossover dan Cycle Crossover Pada Genetic Algorithm**

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2012

Jurnal nasional

### **Rancangan Algoritma Genetika Pada Kasus Traveling Salesman Problem Simetris Dengan Metode Cycle Crossover**

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## **Researches**

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2026

Penelitian Dosen Pemula

### **Implementasi Arsitektur RAG Berbasis IndoBERT pada Chatbot Question Answering untuk Optimalisasi Pemahaman Konteks Nilai Budaya Karo**

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