

# Dr. Erna Budhiarti Nababan, M.IT

Dosen Program Studi S2 Sains Data dan Kecerdasan Buatan  
Fakultas Ilmu Komputer dan Teknologi Informasi  
Universitas Sumatera Utara

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🌐 [fasilkom-ti.usu.ac.id/id/dosen/erna-budhiarti-nababan](https://fasilkom-ti.usu.ac.id/id/dosen/erna-budhiarti-nababan)

*Dr. Erna Budhiarti Nababan adalah dosen berpengalaman di Program Magister Sains Data dan Kecerdasan Buatan di Universitas Sumatera Utara. Lahir di Bandung pada tanggal 26 Oktober 1962, beliau membawa segudang pengetahuan dan pengalaman untuk mahasiswanya. Perjalanan akademisnya mencakup gelar Sarjana Teknik Elektro dari IKIP Bandung, Magister di Komputasi Industri dari Universiti Kebangsaan Malaysia, dan gelar Doktor di Sistem Sains dan Manajemen dari institusi yang sama. Dengan keahlian dalam Kecerdasan Buatan, Pembelajaran Mesin, dan Optimisasi, Dr. Erna berkomitmen untuk menciptakan lingkungan belajar yang dinamis yang mendorong mahasiswa untuk mengeksplorasi solusi inovatif dalam ilmu data.*

*Dalam pengajarannya, Dr. Erna menekankan pentingnya integrasi konsep teoretis dengan aplikasi praktis, mempersiapkan mahasiswa untuk menghadapi tantangan dunia nyata di bidang teknologi. Dedikasinya terhadap pendidikan melampaui kelas, karena beliau aktif berpartisipasi dalam proyek penelitian dan berkolaborasi dengan mitra industri. Dengan membangun dasar yang kuat dalam AI dan pembelajaran mesin, beliau bertujuan untuk membekali mahasiswanya dengan keterampilan yang diperlukan untuk unggul dalam dunia teknologi yang berkembang pesat.*

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## Publications

2021

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### **A Framework for Dominant Factors Revelation of the Outbreak's Cause**

WILLIAM RAMDHAN , OPIM SALIM SITOMPUL , ERNA BUDHIARTI NABABAN

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### **Development of the fuzzy grid partition methods in generating fuzzy rules for the classification of data set**

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### **Classification of Primary and Secondary Brain Tumor Using Extreme Learning Machine**

ROMI FADILLAH RAHMAT , ERNA BUDHIARTI NABABAN

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### **Twitter Data Extraction for Food and Beverage Business Analytics**

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### **Indonesian Dynamic Sign Language Recognition for Individuals with Sensory Disabilities using LSTM**

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## Reduction of Microarray Data Dimensions to Enhance Performance of Naïve Bayes in Classification

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## Social Network Analysis Text Mining on Networks Publication Citation

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## Classification of Primary and Secondary Brain Tumor Using Extreme Learning Machine

SHARFINA FAZA , ROMI FADILLAH RAHMAT , AL- KHOWARIZMI , ERNA BUDHIARTI NABABAN

## Researches

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## Identifikasi Penyakit Padi melalui DNA menggunakan Rough Set dan Genetik Algorithm

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Kerjasama Luar Negeri dan Publikasi Internasional

## Model Telenursng Pencegahan Depresi Berbasis Keperawatan Holistik Untuk Meningkatkan Keterampilan Sosial Remaja di Provinsi Sumatera Utara

WARDIYAH DAULAY , JENNY MARLINDAWANI PURBA , ERNA BUDHIARTI NABABAN

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## KINERJA KOMBINASI FEATURES FROM ACCELERATED SEGMENT TEST (FAST) DAN LONG SHORT-TERM MEMORI (LSTM) UNTUK MACHINE IMAGE EXTRACTION AND TRANSLATION BAHASA BATAK-INDONESIA

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## **Aplikasi Text Mining Visualisasi Jaringan Sitasi Publikasi**

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