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Fuzy Yustika Manik earned her Bachelor's degree in Computer Science from Universitas Sumatera Utara in 2010. She then pursued her Master's degree at the Bogor Agricultural Institute, graduating in 2015. Her research focuses on Image Processing, Computer Vision, Artificial Intelligence, Pattern Recognition, and Expert Systems and Decision Support Systems (DSS).

Publications

2021

Jurnal nasional terakreditasi

Pemanfaatan Aplikasi Keuangan Di Smartphone Untuk Manajemen Keuangan Usaha Pada Kelompok Pkk Kelurahan Rambung Barat

TETTY YULIATY , FUZY YUSTIKA MANIK , DEWI SARTIKA BR GINTING

2025

Jurnal internasional bereputasi

Mitigating Bias and Assessment Inconsistencies with BERT-Based Automated Short Answer Grading for the Indonesian Language

AMALIA , FUZY YUSTIKA MANIK , DANI GUNAWAN , MAYA SILVI LYDIA , MUHAMMAD ANGGIA MUCHTAR

2025

Jurnal internasional bereputasi

Benchmarking Deep Learning Models for Visual Classification and Segmentation of Horticultural Commodities.

FUZY YUSTIKA MANIK , SYAHRIL EFENDI , JOS TIMANTA TARIGAN , MAYA SILVI LYDIA

2021

Jurnal nasional

DIAGNOSA PENYAKIT SINUSITIS MENGGUNAKAN METODE CASE BASED REASONING

FUZY YUSTIKA MANIK

2023

Jurnal nasional terakreditasi

Implementation of the One-Stop Subdistrict Application (ASAKU) for Realizing Good Governance and Increasing Welfare Communities in Sidikalang Village

KANA SAPUTRA S , FUZY YUSTIKA MANIK , ARIF QAEDI HUTAGALUNG

0001

Jurnal internasional bereputasi

Benchmarking Deep Learning Models for Visual Classification and Segmentation of Horticultural Commodities.

FUZY YUSTIKA MANIK , SYAHRIL EFENDI , JOS TIMANTA TARIGAN , MAYA SILVI LYDIA

2023

Jurnal nasional

The Determination of the Type of Child Development Disorders with the Dempster Shafer Method: Penentuan Tipe Gangguan Perkembangan Anak dengan Metode Dempster Shafer

2026

Jurnal nasional

Sistem Pakar Mendiagnosa Penyakit Bipolar Dengan Menggunakan Metode Dempster Shafer

FUZY YUSTIKA MANIK

2023

Jurnal nasional

Photo Editing Training for PKK Group in Rambung Barat Village Using Free Smartphone Applications as an Effort to Promote Attractive Products

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2023

Jurnal nasional terakreditasi

Photo Editing Training for PKK Group in Rambung Barat Village Using Free Smartphone Applications as an Effort to Promote Attractive Products

TETTY YULIATY , DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK

2022

Jurnal nasional

Pemanfaatan metode smart dalam Tindak kekerasan pada

FUZY YUSTIKA MANIK

2025

Jurnal internasional bereputasi

Identification of Rice Pests using Digital Images and Convolutional Neural Network (CNN) Methods to Support Modern Agriculture

FUZY YUSTIKA MANIK , ADE CANDRA

2024

Prosiding seminar internasional

The Perspective of Philosophy of Science in Truth and Basis for the Development of Identification of Medicinal Plants by Utilizing Computer Vision and Machine Learning

FUZY YUSTIKA MANIK

2021

Jurnal nasional

Pemanfaatan Aplikasi Keuangan di Smartphone untuk Manajemen Keuangan Usaha Pada Kelompok PKK Kelurahan Rambung Barat

FUZY YUSTIKA MANIK

2022

Jurnal nasional

Pelatihan dan Pendampingan Update Data dan Upload Proposal Penelitian dan Pengabdian Kepada Masyarakat Melalui Simlitabmas

FUZY YUSTIKA MANIK

2023

Jurnal nasional

Expert System for Diagnosing Lipoma Disease in Hospital Patients Lateria Using the Certainty Factor (CF) Method

FUZY YUSTIKA MANIK

2024

Jurnal nasional terakreditasi

Pengembangan Aplikasi Deteksi Dini Gangguan Perkembangan Anak di SD NO. 033912 Hutagambir

FUZY YUSTIKA MANIK , KANA SAPUTRA S , VIVI GUSRINI RAHMADANI

2022

Prosiding seminar nasional

Diagnosa Penyakit Diabetes dan Menentukan Menu Makanan Sehat Dengan Metode Certainty Factor

2024

Prosiding seminar internasional

Implementation of support vector machine method for identification of Jabon leaf disease based on morphological characteristics

FUZY YUSTIKA MANIK , YENI HERDIYENI

2022

Jurnal nasional

PENERAPAN PROGRAM MERDEKA BELAJAR-KAMPUS MERDEKA (MBKM) UNTUK DOSEN DAN MAHASISWA DI STIE LMII MEDAN

FUZY YUSTIKA MANIK

2024

Prosiding seminar internasional

Extraction of Corn Seed Image Texture Using Machine Learning Method

FUZY YUSTIKA MANIK , WISARD WIDSLI KALENGKONGAN , YAMPI R KAESMETAN

2023

Jurnal nasional

Implementation of Finite State Machine Models on the Artificial Intelligence System of Characters in The Game" MMORPG" using RPG Maker

FUZY YUSTIKA MANIK , AKIM MANAOR HARA PARDEDE

2025

Prosiding seminar internasional

Utilization of the Deep Learning Convolutional Neural Network (CNN) Method to Classify Pineapple Ripeness Levels

SYAHRIL EFENDI , JOS TIMANTA TARIGAN , MAYA SILVI LYDIA , FUZY YUSTIKA MANIK

2021

Prosiding seminar internasional

Contribution Principal Component Analysis to Optimizing Data by Reducing Product Data on Transaction

FUZY YUSTIKA MANIK

2023

Jurnal nasional terakreditasi

Pengembangan Aplikasi ASAKU untuk Mengoptimalkan Layanan dan Informasi di Kelurahan Sidikalang

FUZY YUSTIKA MANIK , ARIF QAEDI HUTAGALUNG , KANA SAPUTRA S

2024

Prosiding seminar internasional

Implementation of Support Vector Machine Method for Identification of Jabon Leaf Disease Based on Morphological Characteristics

FUZY YUSTIKA MANIK , YENI HERDIYENI , MELLY BR BANGUN , ELIS NINA HERLIYANA

2026

Monograf

Simulation Of The Trans Binjai Bus Queue Service System Using Poisson And Exponential Distribution Test Results (Case Study: Binjai City Transportation Office)

FUZY YUSTIKA MANIK

2023

Jurnal nasional terakreditasi

Strategy and Online Business Development as Effort to Increase Productivity and Income

FUZY YUSTIKA MANIK , TETTY YULIATY , DEWI SARTIKA BR GINTING

2021

Jurnal internasional bereputasi

Extraction Analysis of Texture and Morphological Features as Characteristics of Cabbage Images

2023

Jurnal internasional bereputasi

APPLICATION OF THE KANSEI ENGINEERING METHOD IN THE DEVELOPMENT OF E-LEARNING SCHOOL OF HARUM SENTOSA BARU'S FOUNDATION

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK

2015

Jurnal nasional

Artificial Neural Network for Classification of Dengue Fever Using Backpropagation Algorithm

FUZY YUSTIKA MANIK

2021

Jurnal internasional bereputasi

Contribution Principal Component Analysis to Optimizing Data by Reducing Product Data on Transaction

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK , FANINDIA PURNAMASARI

2024

Prosiding seminar internasional

Performance of Fuzzy Tsukamoto and Fuzzy Sugeno Methods in Predicting Types of Neurotic Disorder

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK

2019

Jurnal nasional

PENERAPAN ALGORITMA SECURE HASH ALGORITHM (SHA) KEAMANAN PADA CITRA

FUZY YUSTIKA MANIK , HERMANSYAH SEMBIRING

2026

Prosiding seminar internasional

Evaluating EfficientNet-Based CNN Training Strategies for Quality Grading of Horticultural Crops

FUZY YUSTIKA MANIK , SYAHRIL EFENDI , JOS TIMANTA TARIGAN , MAYA SILVI LYDIA

2017

Jurnal nasional terakreditasi

Klasifikasi Belimbing Menggunakan Naïve Bayes Berdasarkan Fitur Warna RGB

FUZY YUSTIKA MANIK

2020

Prosiding seminar internasional

Plant Classification Based on Extraction Feature Gray Level Co-Occurrence Matrix Using k-nearest Neighbour

FUZY YUSTIKA MANIK

Researches

2019

Penelitian Dosen Pemula

IDENTIFIKASI TANAMAN OBAT BERAKAR RIMPANG DENGAN MEMANFAATKAN CITRA DIGITAL MENGGUNAKAN METODE SUPORT VECTOR MACHINE (SVM)

SISWAN SYAHPUTRA , FUZY YUSTIKA MANIK

2018

Penelitian Dosen Pemula

PENERAPAN FUZZY SUGENO PADA PENILAIAN KINERJA PEGAWAI (Studi

Kasus STMIK Kaputama)

MAGDALENA SIMANJUNTAK , FUZY YUSTIKA MANIK

2023

Implementasi Fuzzy Logic Metode Tsukamoto dan Sugeno dalam Prediksi Gangguan Neurotik untuk Sistem Edukasi Masyarakat Dataran Tinggi

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK

2023

Penelitian Fundamental

Penerapan Metode Rubrik Penilaian Bobot Soal dalam Sistem Automated Essay Scoring Bahasa Indonesia Berbasis BERT untuk Mengurangi Bias dan Kesalahan Penilaian

AMALIA , MAYA SILVI LYDIA , FUZY YUSTIKA MANIK , MUHAMMAD ANGGIA MUCHTAR , KEVIN LEONARDI , RIDHO STEVEN PAIAN PARDEDE

2024

Pengembangan Sistem Deteksi Otomatis Konsumsi Energi Alat Rumah Tangga Masyarakat Menggunakan Metode Deep Learning untuk Mendukung Energi Berkelanjutan

ANANDHINI MEDIANTY NABABAN , FUZY YUSTIKA MANIK

2021

Penelitian Dana Lokal Perguruan Tinggi

KLASIFIKASI MUTU KUBIS DENGAN MEMANFAATKAN CITRA DIGITAL MENGGUNAKAN METODE SUPPORT VECTOR MACHINE UNTUK PENINGKATAN KUALITAS PERTANIAN SUMATERA UTARA

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK , MUHAMMAD IQBAL ALDEENA

Community Services

2018

Pelatihan Pemanfaat Media Ajar Untuk PAUD

FUZY YUSTIKA MANIK

2022

PENERAPAN PROGRAM MERDEKA BELAJAR - KAMPUS MERDEKA (MBKM) UNTUK DOSEN DAN MAHASISWA DI STIE LMII MEDAN

RATIH PUSPADINI , JULIANA NAFTALI SITOMPUL , IMELDAWATY GULTOM , NURHAYATI , RUSMIN SARAGIH , FUZY YUSTIKA MANIK , MARTO SIHOMBING , ZIRA FATMAIRA , TIORIA PASARIBU

2021

STRATEGI PENJUALAN DAN PENGEMBANGAN USAHA SECARA ONLINE SEBAGAI UPAYA MENINGKATKAN PRODUKTIVITAS DAN PENGHASILAN MASYARAKAT DAN KELOMPOK PKK DI KELURAHAN RAMBUNG BARAT BINJAI PADA MASA PANDEMI COVID 19

DEWI SARTIKA BR GINTING , FUZY YUSTIKA MANIK , MUHAMMAD ARDHI FADHILLAH , IFTITAH MAGHFIRAH KESUMA PUTRI , ERLANGGA SEMBIRING , MUHAMMAD IQBAL ALDEENA , IBNU JULIANDA KAMIL , WAHYU HIDAYAT SIREGAR

2024

Ipteks Bagi Masyarakat

Implementasi Sistem Penentuan Tipe Gangguan Perkembangan Anak untuk Pemantauan Kesehatan Anak di SD NO. 033912 Hutagambir

VIVI GUSRINI RAHMADANI , FUZY YUSTIKA MANIK , KANA SAPUTRA S

2023

Implementasi Aplikasi Satu Atap Kelurahan (ASAKU) Untuk Mewujudkan Good Governance dan Peningkatan Kesejahteraan Masyarakat di Kelurahan Sidikalang

ARIF QAEDI HUTAGALUNG , FUZY YUSTIKA MANIK , KANA SAPUTRA S

2016

PENGANGKATAN PANITIA BANTUAN BENCANA GEMPA PIDIE ACEH (Kegiatan Pengabdian Masyarakat)

LINA ARLIANA NUR KADIM , FUZY YUSTIKA MANIK

2018

Pelatihan Microsoft Office

HERMANSYAH SEMBIRING , IMELDAWATY GULTOM , NURHAYATI , FUZY YUSTIKA MANIK

Intellectual Property Rights

2020

Hak cipta nasional

Aplikasi Satu Atap Kelurahan (ASAKU)

KANA SAPUTRA S , ARIF QAEDI HUTAGALUNG , FUZY YUSTIKA MANIK

2020

Hak cipta nasional

Aplikasi Automated Essay Scoring Berbasis BERT

MAYA SILVI LYDIA , MUHAMMAD ANGGIA MUCHTAR , AMALIA , FUZY YUSTIKA MANIK

2020

Hak cipta nasional

Aplikasi Kembang Kita

FUZY YUSTIKA MANIK , VIVI GUSRINI RAHMADANI , KANA SAPUTRA S

2020

Hak cipta nasional

Aplikasi Automated Essay Scoring Berbasis BERT

FUZY YUSTIKA MANIK , MAYA SILVI LYDIA , MUHAMMAD ANGGIA MUCHTAR , AMALIA
