Prof. Dr. Romi Fadillah Rahmat, B.Comp.Sc., M.Sc.

Dosen Program Studi S3 Ilmu Komputer
Fakultas Ilmu Komputer dan Teknologi Informasi
Universitas Sumatera Utara

romi.fadillah@usu.ac.id

082161010010

fasilkom-ti.usu.ac.id/id/dosen/romi-fadillah-rahmat

Bapak Romi Fadillah Rahmat, lahir pada tanggal 3 Maret 1986 di Jakarta, beliau menyelesaikan pendidikan Sarjana Ilmu Komputer (Hons) pada tahun 2007 di Universiti Sains Malaysia, kemudian melanjutkan pendidikan S2 di bidang Ilmu Pengetahuan di universitas yang sama.

Memulai karirnya sebagai dosen tetap di Universitas Sumatera Utara sejak tahun 2010, Bapak Romi menjabat sebagai Ketua Program Studi Sarjana Teknik Informatika dari tahun 2017-2021. Karirnya di universitas terus berlanjut setelah diangkat menjadi Sekretaris Senat Akademik USU periode 2019-2024. Kemudian pada tahun 2021 beliau diangkat sebagai Wakil Dekan III Bidang Penelitian, Pengabdian kepada Masyarakat, Kerjasama dan Informasi. Sebelumnya beliau juga dipercaya sebagai ahli ITE oleh sebagian besar kepolisian di Wilayah Sumatera Utara. Bapak Romi juga pernah menjadi tenaga ahli dan konsultan LSM Caritas untuk program pemulihan Tsunami di Meulaboh, beliau juga pernah terlibat sebagai konsultan ahli pengembangan aplikasi di Dinas Pendapatan Kota Medan dari tahun 2011-2014, dan pernah menjabat sebagai Head IT Consultant PT. Dhiarga di Medan. Pada tahun 2019, Bapak Romi juga terlibat dalam proyek pemantauan orangutan yang didanai oleh USAID di Banda Aceh.

Bapak Romi Fadillah Rahmat memulai penelitiannya saat menempuh pendidikan S2 di Malaysia, dengan fokus penelitiannya saat itu adalah Brain-like Computing menggunakan Distributed Adaptive Neuro-Gen Learning Engine yang merupakan salah satu metode baru yang ia temukan. Kemudian Pak Romi juga mendapatkan 17 hibah penelitian dari tahun 2014 hingga sekarang, baik dari dana Kemendikbud maupun dari dana penelitian Talenta USU. Minat penelitiannya adalah komputasi mirip otak, pemrosesan gambar, visi gambar, pembelajaran mendalam, realitas virtual, pemrosesan waktu nyata, dan analisis data. Dia telah menerbitkan lebih dari 100 publikasi dengan 10 artikel jurnal internasional. Dia memenangkan tempat kedua sebagai Peneliti Terbaik pada tahun 2018 dari USU. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3, program studi Ilmu Komputer, di USU pada tahun 2024.

Publications

2026
Jurnal internasional bereputasi

Attention module distribution in the MobileNetV2 bottleneck blocks for coffee leaf disease classification

ROMI FADILLAH RAHMAT , MUHATHIR , ANDRE HASUDUNGAN LUBIS , Mohd Amiruddin Abd Rahman

2026
Jurnal internasional bereputasi

DyWIS: Dynamic Weighted Influence Score-Based Machine Learning for In-Game Win Loss Prediction in Elite Badminton Singles

ROMI FADILLAH RAHMAT

2026
Jurnal internasional bereputasi

Evaluation and comparison of classification models for predicting crash severity

ROSSI PASSARELLA , MASTURA DIANA MARIESKA , DEDY KURNIAWAN , ROMI FADILLAH RAHMAT , ISBATUDINIA , Harumy Veny

2026
Prosiding seminar internasional

Benchmarking Vision Transformers and Convolutional Neural Networks for

Ulos Batak Pattern Recognition

GRACE LAMUDUR ARTA SIHOMBING , POLTAK SIHOMBING , ROMI FADILLAH RAHMAT , AMALIA

2026
Jurnal nasional terakreditasi

Multi-Detection System Using Faster R-CNN for Fish Species Classification and Quality Assessment on Android

SHARFINA FAZA , ARIF RIDHO LUBIS , MERYATUL HUSNA , RINA ANUGRAHWATY , ROMI FADILLAH RAHMAT , M. RAFIF RASYIDI

2026
Prosiding seminar internasional

Classification of Cybercrime Cases Based on Type of ITE Law Article Using Text Convolutional Neural Network

SARAH PURNAMAWATI , TRI MURTI LUBIS , FAHRURROZI LUBIS , ROMI FADILLAH RAHMAT , JANRIAN N SIMBOLON , IQBAL FAKHRIZA

2026
Prosiding seminar internasional

Smart Helmet Compliance Ai-Driven Detection of Motorcycle Riders with ZFNet and Mobilenet SSD

FAHRURROZI LUBIS , AINUL HIZRIADI , ROMI FADILLAH RAHMAT , MUHAMMAD AMIN RAIS , ARYA PRATAMA TARIGAN , JONATHAN SIMANJUNTAK

2026
Prosiding seminar internasional

Immersive Virtual Reality-Based Throat Surgery Simulation: Design, Implementation, and Pedagogical Evaluation

MOHAMMAD FADLY SYAH PUTRA , OPIM SALIM SITOMPUL , FAHMI , MAYA SILVI LYDIA , ROMI FADILLAH RAHMAT , MUHAMMAD ARFIZA PUTRA SARAGIH , PAUZI IBRAHIM NAINGGOLAN , Riza Sulaiman

2026
Prosiding seminar internasional

IndoBERT for Indonesia Crime News Classification

ROMI FADILLAH RAHMAT , HERRIYANCE , FAHRURROZI LUBIS , AL- KHOWARIZMI , ROSSI PASSARELLA

2026
Jurnal internasional bereputasi

Hybrid Deep Convolutional Neural Network and Counter Propagation Neural Network as a Pork-Beef Differentiator System

ROMI FADILLAH RAHMAT , HERRIYANCE , ROSSI PASSARELLA , SHARFINA FAZA , Prof. Dr. Rahmat Budiarto , Farhad Nadi

2025
Jurnal internasional bereputasi

Reformulating Q-Learning as a Hybrid Classifier for Predictive Marketing Analytics

ANDRE HASUDUNGAN LUBIS , POLTAK SIHOMBING , ERNA BUDHIARTI NABABAN , ROMI FADILLAH RAHMAT

2025
Jurnal internasional bereputasi

Leveraging Real-time GTFS and Integrated Data for High-Accuracy LRT Departure Delay Prediction using Optimized Machine Learning

ROSSI PASSARELLA , MASTURA DIANA MARIESKA , ROMI FADILLAH RAHMAT , AULYA PUTRI AYU , ISBATUDINIA , NURAINIYAH SOLEHAN , Harumi Veny

2025
Jurnal internasional bereputasi

An evaluation of nature-inspired meta-heuristic algorithms for hyperparameter optimization in reinforcement learning

ROMI FADILLAH RAHMAT , ANDRE HASUDUNGAN LUBIS

2025
Prosiding seminar internasional

Enhancing Gradient Boosting Performance with Puma Optimizer for Predicting Customer Churn

ROMI FADILLAH RAHMAT

2025
Jurnal internasional bereputasi

Reformulating Q-Learning as a Hybrid Classifier for Predictive Marketing Analytics

ROMI FADILLAH RAHMAT , POLTAK SIHOMBING , ERNA BUDHIARTI NABABAN , ANDRE HASUDUNGAN LUBIS

2025
Jurnal internasional bereputasi

ENHANCING WATER QUALITY CLASSIFICATION IN LAKE TOBA WITH DEEP LEARNING APPROACH

ROMI FADILLAH RAHMAT , SHARFINA FAZA , SARAH PURNAMAWATI

2025
Jurnal internasional bereputasi

MODIFICATION OF MULTILAYER PERCEPTRON USING DETECTION RATE MODEL FOR PREDICTION OF NOMINAL EXCHANGE RATE

MUHAMMAD BASRI , AL- KHOWARIZMI , ROMI FADILLAH RAHMAT , AKRIM , ARIF RIDHO LUBIS

2025
Jurnal internasional bereputasi

MODIFICATION OF MULTILAYER PERCEPTRON USING DETECTION RATE MODEL FOR PREDICTION OF NOMINAL EXCHANGE RATE

ROMI FADILLAH RAHMAT

2025
Jurnal internasional bereputasi

Computationally Enhanced UAV-Based Real-Time Pothole Detection Using YOLOv7-C3ECA-DSA Algorithm

ROMI FADILLAH RAHMAT

2025
Jurnal internasional bereputasi

Computationally Efficient Single Layer Transformer Convolutional Encoder for Accurate Price Prediction of Agriculture Commodities

ROMI FADILLAH RAHMAT

2025
Jurnal internasional bereputasi

IDENTIFICATION OF PAPAYA VARIETIES IN COMPUTER VISION AND DEEP LEARNING APPROACHES

AJULIO PADLY SEMBIRING , SHARFINA FAZA , MERYATUL HUSNA , ROMI FADILLAH RAHMAT

2024
Prosiding seminar internasional

Extreme Learning Machine for Parking Slot Recognition in Smart Parking System

SHARFINA FAZA , PAUZI IBRAHIM NAINGGOLAN , ROMI FADILLAH RAHMAT

2024
Jurnal internasional bereputasi

A Machine Learning Approach to pH Monitoring: Mango Leaf Colorimetry in Aquaculture

ROMI FADILLAH RAHMAT

2024
Prosiding seminar internasional

Analysis of Spelling Errors in Text Data Using Graph Neural Networks (GNNs) Based on Machine Learning

ROMI FADILLAH RAHMAT

2024
Prosiding seminar internasional

Logistic Regression for Merchant Customer Churn Prediction: A Data-Driven Approach

ANANDHINI MEDIANTY NABABAN , FANINDIA PURNAMASARI , MARISCHA ELVENY , NISKARTO ZENDRATO , UMAYA RAMADHANI PUTRI NASUTION , ROMI FADILLAH RAHMAT , CHATARINA S FRANSISKA SAMOSIR

2024
Jurnal internasional bereputasi

Detection of ammonia in aquaculture wastewater using mango leaf extract-immobilized paper sensors and smartphone colorimetric analysis

ROMI FADILLAH RAHMAT , Farhad Nadi , Shahadat Hossain , Hajar Rastegari

2024
Prosiding seminar internasional

Car Security System Based on Facial Recognition With Convolutional Neural Networks

SHARFINA FAZA , ROSSY NURHASANAH , FAHRURROZI LUBIS , ROMI FADILLAH RAHMAT , EFRAIM EMDASTRA SINULINGGA , Rahmat Budiarto

2024
Jurnal internasional bereputasi

DEEP LEARNING-DRIVEN CAR PARKING SPACE DETECTION: A YOLOR APPROACH

ROMI FADILLAH RAHMAT

2024
Jurnal internasional bereputasi

Human blood group type detection prototype focusing on agglutinin using microcontroller based photodiode

AL- KHOWARIZMI , ROMI FADILLAH RAHMAT , MUHARMAN LUBIS , ARIF RIDHO LUBIS

2024
Jurnal internasional bereputasi

Extreme learning machine approach on heart abnormalities identification in ECG images

ROMI FADILLAH RAHMAT , UMAYA RAMADHANI PUTRI NASUTION , AL- KHOWARIZMI , ANANDHINI MEDIANTY NABABAN , Farhad Nadi , Rahmat Budiarto

2024
Jurnal internasional bereputasi

Extreme learning machine approach on heart abnormalities identification in ECG images

ROMI FADILLAH RAHMAT , ANANDHINI MEDIANTY NABABAN , UMAYA RAMADHANI PUTRI NASUTION

2024
Jurnal internasional bereputasi

Deep Learning Based Entropy Controlled Optimization for the Detection of Covid-19

ROMI FADILLAH RAHMAT , Mohammed Alonazi , Sara A. Althubiti , Abdullah Alshammari , Jiong Chen

2024
Prosiding seminar internasional

Early identification of gastric pains through the tongue images using radial basis function

AINUL HUSNA , Nur Intan Raihana Ruhayem , SHARFINA FAZA , ROMI FADILLAH RAHMAT , AINUL HIZRIADI , HERRIYANCE

2024
Prosiding seminar internasional

Skin Cancer Image Classification Based on Cancer Malignancy on Deep Convolutional Neural Network (DCNN)

MARISCHA ELVENY , ROSSY NURHASANAH , UMAYA RAMADHANI PUTRI NASUTION , ROMI FADILLAH RAHMAT , Tifani Zata Lini

2024
Jurnal internasional bereputasi

Braille letter recognition in deep convolutional neural network with horizontal and vertical projection

SARAH PURNAMAWATI , ARIF RIDHO LUBIS , WILLY MARDIANTO , Riza Sulaiman , Farhad Nadi , ROMI FADILLAH RAHMAT , SHARFINA FAZA

2024
Prosiding seminar internasional

Dust Particle Matter (2.5) with Meteorological Parameters to Predict Air

Quality Based on Support Vector Machine Approaches

HAYATUNNUFUS , FAHRURROZI LUBIS , ROMI FADILLAH RAHMAT , AINUL HIZRIADI , HERRIYANCE

2024
Prosiding seminar internasional

Menu Classification using KNN and Naïve Bayes Algorithms at Kopi Krintji Cafe

ROMI FADILLAH RAHMAT , Rahmat Budiarto

2024
Prosiding seminar internasional

Identification of Lung Cancer in Chest X-Ray Images Using Convolutional Neural Network

AINA HUBBY AZIIRA , HERRIYANCE , ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS

2024
Prosiding seminar internasional

Classification of Conductive Block Disorders Based on Electrocardiogram Images Using Support Vector Machine

UMAYA RAMADHANI PUTRI NASUTION , ANANDHINI MEDIANTY NABABAN , ROMI FADILLAH RAHMAT , Farhad Nadi

2024
Prosiding seminar internasional

Sentiment Analysis Using Large Language Models: A Case Study of GPT-3.5

ROMI FADILLAH RAHMAT , Farhad Nadi

2024
Jurnal internasional bereputasi

AUTOMATIC GENERATION OF MULTIPLE-CHOICE QUESTIONS USING TEMPLATE-BASED SEMANTIC WEB IN INDONESIAN LANGUAGE

SHARFINA FAZA , DANI GUNAWAN , RINA ANUGRAHWATY , SILMI , ROMI FADILLAH RAHMAT

2023
Prosiding seminar internasional

Random Forest Classification in Cocoa Pods Desease

PAUZI IBRAHIM NAINGGOLAN , UMAYA RAMADHANI PUTRI NASUTION , ANANDHINI MEDIANTY NABABAN , ROMI FADILLAH RAHMAT

2023
Jurnal internasional bereputasi

The Role of Faster R-CNN Algorithm in the Internet of Things to Detect Mask Wearing: The Endemic Preparations

ROMI FADILLAH RAHMAT , MUHARMAN LUBIS , AL- KHOWARIZMI , ARIF RIDHO LUBIS

2023
Jurnal internasional bereputasi

KIDNEY STONES IDENTIFICATION UTILIZING EXTREME LEARNING MACHINE

SHARFINA FAZA , AJULIO PADLY SEMBIRING , MERYATUL HUSNA , ROMI FADILLAH RAHMAT

2023
Jurnal internasional bereputasi

Classifying Indonesian Cyber Crime Cases under ITE Law Using a Hybrid of Mutual Information and Support Vector Machine

AINA HUBBY AZIIRA , ROMI FADILLAH RAHMAT , SARAH PURNAMAWATI , SHARFINA FAZA , AL- KHOWARIZMI

2023
Jurnal internasional bereputasi

Internet of Things in aquaculture: A review of the challenges and potential solutions based on current and future trends

ROMI FADILLAH RAHMAT

2023
Jurnal internasional bereputasi

Observing the Performance of the TextRank Algorithm on Automatic Text Summarization for Bahasa Indonesia

AMALIA , DEDY SYAMSUAR , ROMI FADILLAH RAHMAT , Abdurrohman , DEDEN WITARSYAH , DANI GUNAWAN

2023
Jurnal internasional bereputasi

Mangrove Fruit Ripeness Classification Using Deep Convolutional Neural Network

RINA ANUGRAHWATY , SHARFINA FAZA , AJULIO PADLY SEMBIRING , MERYATUL HUSNA , ROMI FADILLAH RAHMAT

2022
Prosiding seminar internasional

Identification of Safe Air Quality for Activity Using Long Short-Term Memory

ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS

2022
Jurnal internasional bereputasi

Astrocytoma, ependymoma, and oligodendroglioma classification with deep convolutional neural network

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2022
Jurnal internasional bereputasi

Astrocytoma, ependymoma, and oligodendroglioma classification with deep convolutional neural network

ARIF RIDHO LUBIS , SHARFINA FAZA , ROMI FADILLAH RAHMAT , AL- KHOWARIZMI

2022
Jurnal internasional bereputasi

Information technology based smart farming model development in agriculture land

ROMI FADILLAH RAHMAT

2022
Jurnal internasional bereputasi

LAKE TOBA WATER QUALITY PREDICTION USING EXTREME MACHINE LEARNING

ROMI FADILLAH RAHMAT , SARAH PURNAMAWATI

2021
Prosiding seminar internasional

Classification of Primary and Secondary Brain Tumor Using Extreme Learning Machine

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

2021
Prosiding seminar internasional

News Articles Classification for Electronic Information and Transaction Law in Indonesia using Support Vector Machine

DANI GUNAWAN , ROMI FADILLAH RAHMAT

2021
Prosiding seminar internasional

News Articles Classification for Electronic Information and Transaction Law in Indonesia using Support Vector Machine

SHARFINA FAZA , SILMI , ROMI FADILLAH RAHMAT , DANI GUNAWAN

2021
Prosiding seminar internasional

Classification of Mangrove Sprouts Based on Its Morphologhical Measurement

SHARFINA FAZA , MERYATUL HUSNA , RINA ANUGRAHWATY , ANDI SUPRIADI CHAN , AJULIO PADLY SEMBIRING , ROMI FADILLAH RAHMAT

2021
Prosiding seminar internasional

Classification of Mangrove Sprouts Based on Its Morphologhical Measurement

ROMI FADILLAH RAHMAT

2021

Prosiding seminar internasional

Classification of Primary and Secondary Brain Tumor Using Extreme Learning Machine

ROMI FADILLAH RAHMAT , ERNA BUDHIARTI NABABAN

2021
Jurnal internasional bereputasi

Air Quality Classification Using Naive Bayes Classifier on Distributed Raspberry Pi Cluster System

ROMI FADILLAH RAHMAT , SARAH PURNAMAWATI

2021
Jurnal internasional bereputasi

IDENTIFICATION OF THE FISH SURVIVAL RATE AND THE FISH TYPES TO LIVE IN LAKE TOBA USING MACHINE LEARNING

INDRA AULIA , SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2020
Prosiding seminar internasional

Keyword Extraction from Scientific Articles in Bahasa Indonesia using TextRank Algorithm

DANI GUNAWAN , FANINDIA PURNAMASARI , ROMI FADILLAH RAHMAT

2020
Prosiding seminar internasional

Sparse Matrix Implementation on Personal News Recommendation for Anonymous User

DETANIA SUKARJA , SARAH PURNAMAWATI , TRI MURTI LUBIS , ROMI FADILLAH RAHMAT

2020
Prosiding seminar internasional

Frogs Sound Detection to Control The Population of Frogs as Pests Using Mel-frequency Cepstral Coefficient-Vector Quantization (MFCC-VQ) Algorithm

ERNA BUDHIARTI NABABAN , ROMI FADILLAH RAHMAT

2020
Prosiding seminar internasional

Facial Recognition-Based Automatic Door Access System Using Extreme Learning Machine

INDRA AULIA , ROMI FADILLAH RAHMAT

2019
Jurnal internasional bereputasi

Android-based automatic detection and measurement system of highway billboard for tax calculation in Indonesia

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , TRI MURTI LUBIS

2017
Prosiding seminar internasional

Organization Readiness and ERP Implementation in Albaha University

ROMI FADILLAH RAHMAT

Researches

2025

KLASIFIKASI KASUS CYBERCRIME DENGAN TEXT CONVOLUTIONAL NEURAL NETWORK

SARAH PURNAMAWATI , TRI MURTI LUBIS , ROMI FADILLAH RAHMAT

2025

Smart System Prediksi Radiasi Matahari dengan Enhanced Deep Learning

SARAH PURNAMAWATI , HERRIYANCE , ROSSY NURHASANAH , ROMI FADILLAH RAHMAT

2024

SMART SYSTEM UNTUK KLASIFIKASI JENIS NYAMUK BERDASARKAN PENDEKATAN DEEP LEARNING

ROSSY NURHASANAH , ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS , Riza Sulaiman

2024

TRANSLASI BAHASA ISYARAT DENGAN BI-LONG SHORT-TERM MEMORY

SARAH PURNAMAWATI , AINUL HIZRIADI , ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS

2023

DEEP NEURAL NETWORK DI DALAM KLASIFIKASI KUALITAS AIR

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2023

Penelitian Dana Lokal Perguruan Tinggi

PENDEKATAN DEEP LEARNING DI DALAM PREDIKSI PENYEBARAN MALARIA

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS

2022

DETEKSI DAN KLASIFIKASI TUMBUHAN MANGROVE SECARA AUTONOMOUS PADA PERANGKAT MOBILE

ROMI FADILLAH RAHMAT , PAUZI IBRAHIM NAINGGOLAN

2021

Penelitian Dana Lokal Perguruan Tinggi

KLAFIKASI TEXT MINING DARI BERITA KEJAHATAN CYBER DENGAN MACHINE LEARNING

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , YUNITA S MARITO PANE , PENTARI TRIMITA PAKPAHAN

2021

Penelitian Dana Lokal Perguruan Tinggi

DEEP LEARNING UNTUK KLASIFIKASI CITRA BRAILLE

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , WILLY MARDIANTO , FENTA GRATA

2021

Penelitian Unggulan Perguruan Tinggi

SISTEM KLASIFIKASI JENIS MANGROVE BERDASARKAN CITRA MORFOLOGI

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , RHAMA PERMADI AHMAD , SHIFANI ADRIANI CH.

2021

Penelitian Unggulan Perguruan Tinggi

KLASIFIKASI BIG DATA MONITORING CUACA DAN AIR MENGGUNAKAN ADAPTIVE NEURAL NETWORK

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2020

Penelitian Unggulan Perguruan Tinggi

SISTEM KLASIFIKASI JENIS MANGROVE BERDASARKAN CITRA MORFOLOGI

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2020

Penelitian Dana Lokal Perguruan Tinggi

APLIKASI REKOMENDASI BERITA CYBER CRIME DENGAN METODE SPARSE MATRIX REPRESENTATION

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2020

Penelitian Dana Lokal Perguruan Tinggi

PENERAPAN DAN AUTOMASI SISTEM PENDETEKSIAN TUMOR OTAK PADA CITRA MRI DENGAN PENDEKATAN KECERDASAN BUATAN

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , HALIMATUSSADIAH , MHD. FARIS PRATAMA

2020

Penelitian Unggulan Perguruan Tinggi

KLASIFIKASI BIG DATA MONITORING CUACA DAN AIR MENGGUNAKAN

ADAPTIVE NEURAL NETWORK

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2019
Penelitian Dana Lokal Perguruan Tinggi

IDENTIFIKASI KUALITAS AIR DANAU TOBA DENGAN PENDEKATAN DEEP LEARNING

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2019
Penelitian Unggulan Perguruan Tinggi

PENGEMBANGAN DISTRIBUTED ADAPTIVE NEURAL NETWORK DAN KETERKAITAN DENGAN DEEP LEARNING

SARAH PURNAMAWATI , OPIM SALIM SITOMPUL , ROMI FADILLAH RAHMAT , DENNIS

2019
Penelitian Dana Lokal Perguruan Tinggi

KLASIFIKASI PADA CITRA MEDIS DIGITAL MELALUI PENDEKATAN ADVANCE MACHINE LEARNING

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2019
Penelitian Dana Lokal Perguruan Tinggi

PENDETEKSIAN RUANG PARKIR KOSONG DALAM SISTEM PARKIR MOBIL DENGAN KECERDASAN BUATAN

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , JOKO KURNIANTO

2019
Penelitian Dana Lokal Perguruan Tinggi

PENGENALAN DAN DETEKSI PAPAN IKLAN JALAN RAYA BERBASIS ANDROID

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , HANDRA SAITO

2018
Penelitian Unggulan Perguruan Tinggi

PENGEMBANGAN DISTRIBUTED ADAPTIVE NEURAL NETWORK DAN KETERKAITAN DENGAN DEEP LEARNING

SARAH PURNAMAWATI , OPIM SALIM SITOMPUL , ROMI FADILLAH RAHMAT , DENNIS

2017
Penelitian Dana Lokal Perguruan Tinggi

PENGENALAN GERAKAN TANGAN STATIS PADA INTERAKSI MANUSIA - KOMPUTER

OPIM SALIM SITOMPUL , ROMI FADILLAH RAHMAT , TENGKU CHAIRUNNISA

2017
Penelitian Dana Lokal Perguruan Tinggi

PENGENALAN GERAKAN TANGAN DINAMIS MENGGUNAKAN DEEP LEARNING

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT , EKA PRATIWI GOENFI

2016

SEGMENTASI WARNA KULIT PADA CITRA MENGGUNAKAN TIGA RUANG WARNA

SARAH PURNAMAWATI , ROMI FADILLAH RAHMAT

2016
Penelitian Dana Lokal Perguruan Tinggi

PEMULIHAN FILE YANG TELAH TERHAPUS DARI FILE SYSTEM DI DALAM KOMPUTER FORENSIK

SENIMAN , OPIM SALIM SITOMPUL , ROMI FADILLAH RAHMAT , ANDREW HANDOKO

Community Services

2025
Ipteks Bagi Masyarakat

Pelatihan Editing Video dan Gambar dengan Menggunakan Software Aplikasi Ulead Video Studio (UVS) di Pondok Pesantren Tahfizd Al-Qu'ran dan Hadist Al-Faiz

SARAH PURNAMAWATI , HERRIYANCE , HANDRIZAL , ROMI FADILLAH RAHMAT , FAHRURROZI LUBIS

2025

Pembuatan Absensi Deteksi Wajah untuk Kehadiran Pegawai Berbasis Web di Madrasah Aliyah Swasta Al Ittihadiyah Medan

SARAH PURNAMAWATI , HERRIYANCE , HANDRIZAL , ROMI FADILLAH RAHMAT , POLTAK SIHOMBING

2024

Pembuatan Absensi Online pada Sistem Website Ma’had Tafidz Al- Quran Yatim Dhuafa Kitabina 1 Yayasan Fadhilatul Quran Aceh

T.HENNY FEBRIANA HARUMY , HERRIYANCE , HANDRIZAL , SENIMAN , ROMI FADILLAH RAHMAT , ELVIAWATY MUISA ZAMZAMI , FAHRURROZI LUBIS

2024
Ipteks Bagi Masyarakat

Pelatihan Pembuatan Poster Dijital dan Editing Video dengan Menggunakan Software Aplikasi Canva Online di Pondok Pesantren TAHFIDZ AL-QUR’AN DAN HADIST AL-FAIZ

SARAH PURNAMAWATI , HERRIYANCE , HANDRIZAL , ROMI FADILLAH RAHMAT , POLTAK SIHOMBING

2023

Sistem Absensi Tenaga Pendidik Dengan RFID Pada Sekolah Madrasah Ibtidaiyah Swasta Lukman Al-Hakim Pondok Pesantren Hidayatullah Medan

HERRIYANCE , ROMI FADILLAH RAHMAT , POLTAK SIHOMBING , FAHRURROZI LUBIS

2023

Pembuatan Website dan Analisa Grafika Pada MA’had Tafidz Al- Quran Yatim Dhuafa Kitabina 1 Yayasan Fadhilatul Quran Aceh, Medan

HERRIYANCE , HANDRIZAL , ROMI FADILLAH RAHMAT , ELVIAWATY MUISA ZAMZAMI , POLTAK SIHOMBING , FAHRURROZI LUBIS , REGGY ARAUNA ARITONANG , SAID UMAR , REYVO PRAWIRA SILAEN , BIMA , ADI TEGUH PRAMONO , PIETER TANOTO , MUHAMMAD HAIKAL RAHMAN , SAMUEL MAGIRA PARSAORAN MARHAEN SIAHAAN , REYSHA TAZHA FADILLAH , RIZKI WAHYUDI , ANNISA KHAIRINA

2022

Pemanfaatan Teknologi untuk Informasi Broadcast Kegiatan Administrasi Sekolah Madrasah Ibtidaiyah Swasta (MIS) Luqman Al-Hakim Yayasan Pondok Pesantren Hidayatullah Medan

HERRIYANCE , ROMI FADILLAH RAHMAT , POLTAK SIHOMBING

2022

Saksi Ahli ITE dengan Kepolisian Negara Republik Indonesia Daerah Sumatera Utara Resor Labuhan Batu

ROMI FADILLAH RAHMAT

2019
Ipteks Bagi Masyarakat

Pelatihan dan Pendidikan Hukum Transaksi Jual Beli Online untuk Remaja

YETI MELIANY LUBIS , TRI MURTI LUBIS , ROMI FADILLAH RAHMAT , DETANIA SUKARJA

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Experimental Design

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Research Phase Part I

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Defining Problem Statement & Basic Research

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Sampling And Intro To Research

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Research Phase Part II

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Step By Step For Literature Survey And Resource For Literature Review

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Principles Of Experimental Design

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Research Design

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KLASIFIKASI CIPTA PARU-PARU BRONKITIS DAN TBC DENGAN EXTREME LEARNING MACHINE

HERRIYANCE , FAHRURROZI LUBIS , ROMI FADILLAH RAHMAT

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MODUL PENGGUNA APLIKASI IDENTIFIKASI IKAN AIR TAWAR DI DANAU TOBA DENGAN SVM

ROMI FADILLAH RAHMAT

2022
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MODUL PENGGUNA USER MANUAL APLIKASI KANKER MELANOMA DENGAN METODE CNN

ROMI FADILLAH RAHMAT

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MODUL PENGGUNA KLASIFIKASI LAHAN SAWAH DENGAN METODE KNN (K-NEAREST NEIGHBOUR)

ROMI FADILLAH RAHMAT

2022
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MODUL KLASIFIKASI CITRA PARU-PARU BRONKITIS DAN TBC DENGAN EXTREME LEARNING MACHINE

ROMI FADILLAH RAHMAT

2022
Hak cipta nasional

MODUL PENGGUNAAN APLIKASI IDENTIFIKASI PENYAKIT OSTEOPOROSIS DENGAN METODE ELM

ROMI FADILLAH RAHMAT

2021
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Modul Pembelajaran Digital Kearifan Lokal

MUHAMMAD ANGGIA MUCHTAR , ROMI FADILLAH RAHMAT , MURYANTO AMIN , ALWI DAHLAN RITONGA , MUHAMMAD YUSUF , BAMBANG RIYANTO LIES S

2021
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Modul Pembelajaran Digital Multikulturalisme

MUHAMMAD YUSUF , MUHAMMAD ANGGIA MUCHTAR , ROMI FADILLAH RAHMAT , BAMBANG RIYANTO LIES S , ALWI DAHLAN RITONGA , MURYANTO AMIN

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Modul Digital Wawasan Kebangsaan

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Modul Pembelajaran Digital Radikalisme

ALWI DAHLAN RITONGA , ROMI FADILLAH RAHMAT , MUHAMMAD YUSUF , MUHAMMAD ANGGIA MUCHTAR , BAMBANG RIYANTO LIES S , MURYANTO AMIN