

Paper ID	Author	Title
1	Indriyani Indriyani, Paula Dewanti, Nurul Hidayat and Evi Triandini	Adaptive AI and Big Data Analytics Platform to Enhance the Competitiveness of Indonesian MSMEs in Digital Services Export
2	Ivan Alexander, Marcel Saputra, Natario Thomas and Sherrane Kuo	Design and Evaluation of an ESP32-Based Automated Hanging Weighing System for Poultry
11	Stefanus Rumangkit, Antonius Satria Hadi, Ilham Sentosa, Rosni Abwahid and Muhamad Zulkiflee Osman	AI Influencer Integration in Marketing Information Systems: Emotional Response as a Purchase Driver
18	Cornelius Sarungu, Farhan Fadillah, Aulia Azzahra and Muhammad Rydwan	Prototype Design of Wheelchair Accessibility Information System in Jakarta Tourism Using BERT-Based Sentiment Analysis
21	Biky Chouhan and Manisha Nagpal	Federated Deep Learning–Driven Intelligent Brain–Computer Interface Architecture for Real-Time Adaptive Neural Signal Decoding
23	Biky Chouhan and Manisha Nagpal	Design, Implementation, and Evaluation of a Cloud-Native Real-Time Distributed System Using Kubernetes and AWS
29	Nathaniel Melvin Setiawan, Efendi Efendi and Ivan Alexander	Design and Implementation of a Smart Aquarium Monitoring and Automatic Feeding System Using ESP32
31	Selvi Lukman, Keisa Putri Alisa, Marcellino Varian Saputra and Shieren Revalina Jesslyn	A Hybrid Fuzzy Logic–Based Intelligent Traffic Signal Control with Optimization Mechanism
36	Apri Yudhatama, Wilem Musu and Y. Johny W. Soetikno	Hybrid Entropy-PSO and Fuzzy-TOPSIS for Map-Specific Agent Drafting in Valorant Esports
37	Selvi Lukman, Pasya Kemal Halim, Bambang Arayana Saputra and Muhamad Rifki Ramdani	Market Regime Classification and Entry Window Prediction for IDX Blue Chips Using Random Forest and BiLSTM Models
38	Kevin Halim, Margaretha Haryanto, Chang Minfang, Setiawan Joddy and Irene Anindaputri Iswanto	A Comparative Study of Speech Recognition Models in Smart Home Multitasking: Streaming, Batch, and Hybrid Processing
39	Biky Chouhan and Shalini Sudarsan	Multi-Agent Coordination with Human Oversight: A Formal Analysis of Responsibility Allocation in AI-Assisted Decision Systems
40	Biky Chouhan and Jothsna Praveena Pendyala	Self-Evolving Agentic Retrieval-Augmented Generation via Multi-Agent Feedback Loops
44	Erwin Kartinawati, Wiwit Supriyanti and Andrik Purwasito	Public Opinion Analysis on Indonesia's Joining the Peace Council (BoP) Amidst the Escalation of the US-Israel and Iran Conflicts with Fine-Tuning IndoBert
46	Abhishek Mallav, Takudzwa Karambi, Sharada Desai and Devesh Kore	A Layered Reverse Proxy–Based Ingress Architecture for Secure and Scalable Exposure of Cloud-Native Microservices over HTTPS
47	Alfi Yusrotis Zakiyyah, Yonathan Immanuel Nurhan and Darrius Salim	User Authentication Using Keystroke Dynamics with Deep Learning Models
48	Rahmat Sulaiman, Agustina Mardeka Raya, Tri Sugihartono, Eza Budi Perkasa and Fitriyani Fitriyani	Analysis of Plantation Commodity Dominance and Regional Distribution Inequality in Bangka Belitung Province Using Location Quotient and Gini Index Approaches Based on the 2023 Agricultural Census
51	Diandra Salma Navara and Puji Prabowo	The Impact of AI Adoption and Digital Capability on Innovation Capability among Business Owners and Office Workers: The Mediating Role of Strategic Decision-Making Quality
60	Muhamad Achya Arifudin, Nur Alamsyah and Budiman Budiman	Non-Intrusive Behavioral Biometric Identification Using Typing Dynamics and Ensemble Learning for Continuous Authentication
62	Rike Aqila Nurfi and Emny Yossy	Empirical Assessment of Robot Framework Test Automation Integrated with Microsoft Teams Webhooks Using Ordinary Least Squares Regression

Paper ID	Author	Title
80	Soraya Agustina Situmorang, Allan Desi Alexander and Hiram Reagan Panggabean	The Algorithmic Nudge: Green Signaling and User Engagement on Social Media AI
83	Nurfaizah Nurfaizah, Didit Suhartono, Arifah Budi Hidayah, Wisnu Mu'Amar and Iwan Haryanto	Pseudo-Label Distillation for Indonesian YouTube Sentiment Analysis under Limited Annotation
84	Hilyah Magdalena, Ade Septryanti and Yohanes Setiawan Japriadi	Graduation Volume Forecasting Across Program Lifecycles in a Transforming Indonesian Higher Education Institution Using ARIMA and LSTM
85	Nila Astiti, Dicky Hida Syahchari, Sulisty Heripracoyo, Agung Gita Subakti, Supina Sapri Djalarn and Murty Magda Pane	The Role of Self-Efficacy, Sustainable Innovation, and Management Commitment on AI Adoption
92	Nurul Firdaus, Fiddin Yusfida A'la and Andy Supriyadi	Towards Intelligent Document Processing: A Hybrid Generative Question Answering System with BERT-NER and Ontology-Based Job Context Enrichment
98	Sandy Kosasi, Suci Ramadhani Arifin, Muh. Syahlan Natsir, I Dewa Ayu Eka Yuliani, Hasan Hasan and Dewi Putri Selpi	AI Capabilities: The Impact of IT Governance and IT Innovation on Organizational Performance
101	Arizal Firdaus Bagus Pratama, Muhammad Hanif Hidayah Saputra, Muhammad Zidane Ramadhan, Rajnaparamitha Kusumastuti and Dewi Oktafiani	Multi-Branch CNN with Multi-Signal Fusion for AI-Generated Image Detection
102	Mohammad Diqi, Nuk Ghurroh Setyoningrum and Herison Surbakti	Micro Neural Trustworthy Representation with Dynamic Quantized Uncertainty for Edge Intelligence
110	Herimanto Herimanto	Digital Solutions for Limited Mobility Areas: A Software Engineering Approach to Multi-Tier Delivery Systems
113	Jason Sulistyawan, Mahmud Isnarn, Kuncahyo Nugroho, Teddy Suparyanto and Bens Pardamean	SmartSawitGrader: On-Device Palm Oil Ripeness Detection
115	Darren Limantoro, Nicholas Tjoe, Kenji Lawrence, Rico Halim and Bakti Jabar	Hybrid Feature Selection and Machine Learning for Biomarker Discovery in Cholangiocarcinoma
116	Bagaskoro Saputro and Yohanes Suyanto	Objective Evaluation of Audio Transmission Quality Degradation in Networked Music Performance and WebRTC
119	Nuk Ghurroh Setyoningrum, Mohammad Diqi and Mae B. Lodana	RTTE: Resonance-Time Texture Encoding for Enhanced Human Screaming Detection
121	Mochammad Riyan Firmansyah, Steven Geovino, Agiel Nugroho and Riyan Leandros	Vulnerability Risk Assessment for Sensitive Applications Based on the OWASP Web Security Testing Guide
123	Baghas Wicaksono, Rini Sari and Marita Salandanan	How Green HRM Enhances Enterprise Resource Management Performance: The Mediating Role of Digital Capability and Sustainable Work Practices
124	Marcello Evan Wijaya, Filipus Darren Siswanto, Ignasius Holy Prasetya and Muhammad Rizki Nur Majiid	Alzheimer's Disease Stage Classification from MRI Scans Using DINO-ViT and Grad-Cam++ on the OASIS Dataset
129	I Putu Harrys Putra Mulyawan, M. Azman Maricar, Ni Made Dewi Kansa Putri and Muhamad Rihamzah	The Impact of LUTs and DCTL Integration on Enhancing Visual Literacy and Color Grading Efficiency for Content Creators
134	Robi Wariyanto Abdullah, Miftakhurrokhmat Miftakhurrokhmat, Adam Pradipta Yogaswara, Ina Sholihah Widiati, Widiyanto Hadi and Febrianta Surya Nugraha	Real-Time Video-Based Sign Language Recognition for Automatic Text Sentence Compositing Using EfficientNet

Paper ID	Author	Title
149	Arief Menon, Louis Dominic, Michael Elijah, Rico Halim and Bakti Jabar	A Comparative Evaluation of Naive and Codon Tokenization in Translation Initiation Site Prediction
155	Yoel Uktolseja, Giovan Wongso, Brandon Alexander, Bakti Jabar and Rico Halim	A Comparative Clustering-Based Decision Support Framework for Marketing Strategy Development in Banking
156	Jesslyn Trixie Edvilie, Brian Juniarta Darmadi and Elizabeth Gunawan	Cross-Output Saliency Comparison for Multi-Output Image Regression in Nutritional Estimation
160	Melvin Wijaya, Kenneth Katojaya, Kevano Christiawan, Bakti Amirul Jabar and Rico Halim	Comparative Analysis of Algorithms for Disease Classification Based on Symptom Text
161	Timothy Sibarani, Darrell Tandean, Bakti Jabar and Rico Halim	Evaluation of the Effectiveness of the Multi-Debate Agent System on the Small Language Model in Reducing the Level of Hallucinations and Increasing the Accuracy of Reasoning.
173	Budi Juarto and Soni Yora	On-Device Multi-Class Urban Issue Classification for Citizen Reporting in Smart Cities
174	Budi Juarto and Yulianto Yulianto	Formula One Car Detection Using Comparative Deep Learning Models
176	Dian Novianto, Sujono Sujono, Yohanes Setiawan Japriadi and Lukas Tommy	Comparative Analysis Between Ensemble Learning (XGBoost) and Lightweight Transformers (DistilBERT) in Detecting AI-Generated Misinformation
179	Ramlah Amir Sangga, Wilem Musu, Jufri Jufri and Indra Samsie	HealthSlangNorm: A Domain-Specific Slang Normalization Framework for Indonesian Healthcare Social Media
180	Eko Budi Susanto, Paminto Agung Christianto, Bambang Ismanto and Riski Sulistiyaningsih	A Proxy-Data Proof-of-Concept for AI-Based Risk Assessment and Tamper-Evident Audit Logging in MBG-like Public Food Distribution
181	Taryadi Taryadi, Era Yunianto and Hari Agung Budijanto	The Using Convolutional Neural Networks to Identify Rice Leaf Diseases
183	Gavin Indra Artajaya, Gregory Adrianus Sugiono, Violitta Yesmaya and Muhammad Rizky Nur Majiid	Hybrid Machine Learning for Detecting Cognitive Interruption and Recovery in Digital Learning Environments
187	Najwa Abdulateef and Zakariya Oraibi	Analysis of Skin Lesion Cancer using a Robust Deep Learning Framework
190	Sattriedi Wahyu Binabar, Nathanael Santoso, Nur Fadhilah and Paminto Agung Christianto	Computational Evaluation of Digital Music Application Interaction in Basic Music Theory Learning: An Empirical HCI-Oriented Study
192	Gena Darma, Aji Gautama Putrada and Khalis Sofi	DenseNet-121 and Xception Ensemble with Grad-CAM for Explainable Breast Cancer Ultrasound Classification
193	Ichwan Kurniawan, Sutarto Wijono and Radius Tanone	Lightweight Attention-Based YOLOv8n for Cross-Domain Low-Light Object Detection
194	Eko Budi Susanto, Eko Sedyono and Ferry Ferdy Karwur	Benchmarking Similarity Measures for Retrieve-Stage Case-Based Reasoning in Medical Tabular Classification
196	Ellya Helmud, Anisah Anisah, Yuyi Andrika, Elly Yanuarti, Sujono Sujono and Supardi Supardi	Deep Transfer Learning for Multi-Class Fish Disease Classification: A Comparative Performance Evaluation
198	Ema Utami, Suwanto Raharjo, Mohammad Diqi and Najwa Rashika Az-Zahra Raharema	Optimization Dynamics of Boosting Ensembles Under Extreme Class Imbalance in Large-Scale Predictive Systems
202	Salsabila Rahayu Putri, Aji Gautama Putrada and Khalis Sofi	Post-Training Quantization with ResNeXt-101 for Efficient and Optimum Ultrasound-Based Breast Cancer Classification
203	Sujono Sujono, Dian Novianto, Yohanes Setiawan Japriadi, Lukas Tommy and Melati Suci Mayasari	Comparative Analysis of Naive Bayes and SVM for Indonesian Culinary Review Sentiment Classification
204	Elly Yanuarti, Rahmat Sulaiman, Ellya Helmud, Anisah Anisah, Delpiah Wahyuningsih and Tri Sugihartono	Machine Learning-Based Prediction of Prospective Student Re-Enrollment Using Naive Bayes and KNN

Paper ID	Author	Title
205	Anisah Anisah, Ellya Helmud, Delpiah Wahyuningsih, Elly Yanuarti, Melati Suci Mayasari and Harizzki Arie Pradana	A Comparative Machine Learning Approach for the Classification of Regional Potential in Student Admissions Using C4.5 Decision Tree and Naïve Bayes
206	Tri Sugihartono, Fitriyani Fitriyani, Rahmat Sulaiman, Elly Yanuarti, Eza Budi Perkasa and Benny Wijaya	Comparative Analysis of Random Forest and Gradient Boosting for Forecasting Vegetable Oil Export Volume and Value: A Case Study of Bangka Belitung Province, Indonesia
207	Rezky Yuranda, Delpiah Wahyuningsih and Devi Irawan	Measuring Persistence Blast Radius in Declarative and Imperative Operating Systems: Comparative Evidence from NixOS and Debian
211	Widiyono Widiyono, Riski Sulistiyarningsih and Ari Putra Wibowo	The Edge-Based Aggregated DEFLATE Compression for Efficient IoT Sensor Data Transmission to Cloud
219	Ni Luh Indri Yuni, Dandy Pramana Hostiadi and Roy Rudolf Huizen	An Empirical Study on the Combinatorial Effects of Traditional Preprocessing in Transformer-Recurrent Hybrid Models
220	Andrew Yohanson, Evan Pahan, Samson Ndruru and Ivan Edbert	Multi-Layer Perceptron Approach for Body-to-Clothing Mapping in Fashion E-Commerce
221	Agustina Mardeka Raya and Rahmat Sulaiman	Predicting Wasting Nutritional Status in Children Aged 0–24 Months Using Support Vector Machine with Kernel Optimization
232	Faris Febrianto and Eka Miranda	Predicting Aircraft Fueling Safety With Data Mining
238	Erfan Hasmin, Nurul Aini, Sitti Aisa, Asmah Akhriana, Sriwahyuningsih Piu and Suryani Suryani	Data-Driven Insights into Death Reporting Timeliness via Advanced Clustering Algorithms
241	Tiurida Lily Anita, Maria Pia Adiati, Aditya Pratomo, Vanessa Yovo, Sylvia Samuel and Geline T Bravo	AI Chatbot Service Quality, Guest Trust, and Revisit Intention in Hotel Front Office Operations: The Mediating Role of Guest Satisfaction
243	Andrey Apriliady, Ezra Mayurga, Keanu Stadeva, Bakti Jabar and Rico Halim	Comparative Analysis of Classical Machine Learning vs Deep Learning for Stock Price Prediction in Volatile Markets
244	Bhakti Parashar, Lianna Wijaya, Tiurida Lily Anita, Rianto Nurcahyo, Made Irma Lestari and Novan Zulkarnain	Stimulus-Organism-Response Analysis of Augmented Reality Features in Online Cosmetic Retails: The Role of Informativeness and Personalization
245	Irfhan Mappasomba, Santi Santi, Muh. Syahlan Natsir and Wilem Musu	Hybrid Feature Engineering for Detecting Online Sales Fraud on Facebook: A Random Forest Evaluation
246	Aldi Rifaldi Saputra and Eka Miranda	Improving Multi-Class Bird’s Eye Chili Ripeness Detection Using YOLOv8s Under Moderate Class Imbalance Conditions
249	Jahns Lewi Gerrard Naibaho, Andreas Tri Dewa Putra, Alfi Yusrotis Zakiyyah and Ayu Maulina	Hybrid Deep Autoencoder and Temporal Convolutional Network (TCN) for Anomaly Detection in Encrypted Traffic
252	Anastasia Pramono, Alexander Gunawan and Rilo Pradana	Early Detection of Diabetes Mellitus Using Medical Data and Lifestyle Factors via Machine Learning
256	Mas Ayoe Elhias Nst, Syahril Efendi, Sutarman Sutarman and Poltak Sihombing	Machine Learning-Based Demand Forecasting for Perishable Food Distribution in Dynamic Market Environments
259	Danny Bramantyo, Albert Mahendra Hario Broto, Kevin Anggileo and Aldian Nurcahyo	A Data-Driven Framework for AI-Assisted Batik Design Innovation in Indonesian SMEs
260	Budi Triandi, Lili Tanti and Ilham Ramadhan	Random Forest-Based Detection of Phishing E-mails Using Feature-Engineered Machine Learning Attributes
262	Evan Kimelim, Andrew Arinardi, Alexander Gunawan and Rilo Pradana	Comparative Performance Analysis of Javascript REST APIs with Prisma ORM and MariaDB in a Controlled Environment

Paper ID	Author	Title
271	Evi Lestari Pratiwi, Ramadhani Noor Pratama, Inayatul Ulya Ahyati and Paula Dewanti	An Intelligent Hybrid Recommendation System for Final Project Topic Selection in Vocational Information Systems Education Aligned with Industry Needs and SDG 4
273	Muhammad Akmal Fairuz, Muhamad Rifki Ramdani, Raihan Satya Natha Hamzah and Dany Eka Saputra	A Conditional Evaluation of Large Language Models for Enhancing Neural Recommender Systems in Personalized Movie Recommendation Tasks
277	Bayu Yanuargi, Ema Utami, Kusrini Kusrini and Arli Parikesit	Aspect Count-Guided Adaptive Top-K Correction for Multi-Aspect Sentiment Analysis in Hotel Reviews
279	Keanan Halim, Timotius Murteja, Samson Ndruru and Ivan Sebastian Edbert	Colloquial Parsing: Evaluating Deep Learning Approaches for Indonesian Fraud Detection
280	I Gede Oka Permana Putra, Gede Angga Pradipta and Roy Rudolf Huizen	Comparative Sentiment Analysis of BPJS KRIS Using TF-IDF, FastText, and BERT with Naive Bayes and SMOTEENN
282	Marcellino Adhiwono, Heikal Ghazni Ibrahim, Hans Hendyanto and Boby Siswanto	Ball-Plate Balancing Robot With PID and FeedForward Algorithm
284	Ivander Agung Saptono, Nararya Effendy, Prabowo Wahyu Sudarno and Muhammad Rizki Nur Majiid	Integrating Global and Local Explainable Artificial Intelligence for Enhancing Transparency in Financial Fraud
287	Aviel Aquino, Jayson Prasada Siswoyo, Samson Ndruru and Ivan Sebastian Edbert	Dynamic Range Quantization for Vision-Based Parking Detection on Resource-Constrained Edge Infrastructure
290	Rachmat Prasajo, Joseandrew Chrisma Winanta, Weninggalih Ciesa Kuadrilion and Fathimah Al-Ma'Shumah	Portfolio Optimization Models: Traditional Markowitz, Dynamic Markowitz, and Reinforcement Learning Approaches on Stock and Cryptocurrency Asset
291	Jerome Budianto, Gabriella Antoniette, Muhamad Putra, Bakti Jabar and Rico Halim	Stacking Transformer Architectures for Robust Sentiment Analysis of Indonesian Financial Slang
297	Adil Setiawan, Husain T, Yiska Dayanti Zagoto, Ayu Nadia, Haliza Savira and Rizki Alfarizy	IoT Based Automated Poultry Farm Monitoring and Control System
298	Catherine Averina Johan, Praya Zahwaa Ananda, Kenneth Christian Yapri and Jeffrey Junior Tedjasulaksana	Optimizing Stroke Prediction Performance using Synthetic Minority Over-sampling Technique and Grid Search Cross Validation
302	Darlyn Meinardy, Ivan Edbert and Devi Fitriana	Benchmarking Modern Object Detectors for Real-Time Traffic Density Estimation in Intelligent Traffic-Light Control
305	Heinrich Heinrich, Giovan Fernandes, Alexander Agung Santoso Gunawan and Rilo Chandra Pradana	Comparative Deep Learning Models for Binary-Class Sickle Cell Disease from Microscopic Blood Smear Images
306	Melodiel Bokko	Analysis of Hematological Parameter Contributions in Acute Myocardial Infarction Classification using Permutation Feature Importance
315	Laurentius Brandon Vikario, Mikhael Celieano, Antony Wijaya and Reina Setiawan	Price Forecasting of Major Forex Pairs Using ARIMA, LSTM, and Hybrid Model with Web-Based Visualization
319	Lili Tanti, Santi Santi, Budi Triandi, Leonyta Trianingrum, Khairun Dini and Romi Antoni	Explainable Stacking Ensemble for Mushroom Toxicity Classification with SHAP Interpretability
324	Michael Wijaya, Nikolas Aesculapius, M. Alif Rinaldi, Muhammad Fikri Hasani and Andien Dwi Novika	Hybrid CNN-Vision Transformer for Three-Class ACL Injury Classification in Knee MRI with Attention-Guided Full-Slice Analysis
325	Selviani Selviani, Reinaldi Novriyan Bental and Hery Harjono Muljo	Evaluation of the Operational Feasibility of Multi-Platform Accounting Applications Using the Miles and Huberman Analysis Model
326	Nathan Kurniawan, Nathaniel Abby Thamrin, Vincent Tadeo Margono and Muhammad Fikri Hasani	Using Metaheuristic Algorithm to Optimize Highway Layout Based on Topographical Data

Paper ID	Author	Title
330	Joseph Adriel Solichin and Andika Elok Amalia	Gaussian Hidden Markov Model for Detecting Liquidity-Driven Regime Shifts in Gold and Equities
333	Eric Gunawan	Log Summaries on Android Logcat Based on Big or Streaming Data Using Large Language Model
338	Vincentius Jonathan Liem and Adhe Lingga Dewi	Design and Implementation of IoT-Based Antenna Control System for Stabilizing Point-to-Point Radio Link in Maritime Environment
340	Ahmad Yusuf, Ida Hastuti, Kemas M. Yunus and Wahid Adi Nugroho	Head-to-Head Comparison of CNN Architectures on Traditional Cake Image Dataset
356	Kelvin Alexander Harli, Ferdy Saputra and Edi Purnomo Putra	YOLOv8-Based River Debris Monitoring System With Meteorological Data for Flood Mitigation
363	Kelvin Marcelino, Evaristus Didik Madyatmadja and Mulyono	Comparative Analysis of BiLSTM and XGBoost in Predicting Top-Tier Indonesian Banking Stock Prices
365	Kasimirus Derryl Odja and Setiawan Joddy	Comparative Study of Sparse and Dense Retrieval Models in Question Answering Systems
367	David Cahyadi and Anang Prasetyo	Sentiment Classification of Indonesian Google Play Reviews: A Hybrid Evaluation of Random Forest, CNN, and IndoBERT
372	Budi Juarto, Mulyani Karmagatri, Dani Suandi and Arifpermana Ratum	Benchmarking Convolutional, Transformer, and YOLO Architectures for Automated Poultry Fecal Disease Screening
383	Vincent Yanputra and Ajeng Wulandari	Deep Learning-Based Acanthosis Nigricans Detection: A Comparative Study of YOLOv11s and YOLOv8s
389	Michael Susilo	SVM Supremacy in Phishing Detection: Comparative Performance Analysis Across Classical and Ensemble Learning Algorithms
390	Yan Yang Thanri, Safrizal Safrizal, Lili Tanti, Juli Iriani, Luthfi Zaidi and Budi Prastyo	Ensemble Learning for Air Quality Classification Using Bagging and Boosting Methods with Feature Importance Analysis
400	Mikhael Filemon, Alexander Bagus Wijanarko, Anselmus William Putra Adji, Andien Dwi Novika and Muhammad Fikri Hasani	Analyzing the Impact of Cross-Model Synthetic Contamination on LLM Coding Logic and Security
401	Jason Trianto, Rafif Diya, Ahmad Daffa Hidayatullah, Rico Halim and Bakti Jabar	Distant Supervision for Indonesian Food Allergen NER: A Preliminary Evaluation with OCR Integration
409	Satriadi Putra Santika, Yaya Heryadi, Lili Ayu Wulandhari, Abba Suganda Girsang and Ilvico Sonata	Deep Autoencoder-Based Anomaly Detection with Filter-Based Feature Selection for Large-Scale Intrusion Detection Systems
412	Jayden Samuel Kurniawan, Charles Noble Wijaya Salim, Adhe Lingga Dewi and Muhammad Rizki Nur Majiid	Internet of Things Based Hybrid Air Quality Index Monitoring Using Multi Sensore Arrays
418	Jolin Takeshia, Eilen Alvina and Howard Winatra	Analysis of Normal Lung, Viral Pneumonia, and Bacterial Pneumonia Classification Using Convolutional Neural Networks
419	Louis Oktovianus and Andry Chowanda	Optimizing Stacking Ensemble Models for Heart Disease Prediction Using Hyperparameter Tuning on Imbalanced Clinical Data
424	Budiman Budiman, Nur Alamsyah, Muhamad Achya Arifudin, Elia Setiana, Arnold Ropen Sinaga and Imannudin Akbar	Comparative Analysis of Original and Denoising Autoencoder-Based Feature Representations for Explainable Breast Cancer Classification Using SVM and Random Forest
425	Nikolaus Christian	Design of a Wideband RF Power Combiner for Passive Radar Space Debris Detection

Paper ID	Author	Title
428	Raymond Ivander, Darren Aditya, Muhamad Salman Hakim and Franz Adeta Junior	Social Engineering Detection Using BERT and Graph Neural Network
435	Timotius Dylan Lauwren, Reynold Setia Winanto, Valen Frank and Franz Adeta Junior	NETWORK INTRUSION DETECTION ON IMBALANCED DATASET USING OPTIMIZED MACHINE LEARNING
440	James Ryan Ga, Loveson Gallos, Divon Tamdang, Alfred John Borreros, Adrian Jaleco Forca and Rachel Gallego	Uncovering Insights in Guimaras Production for Food Security using Graph Database
441	Adrian Jaleco Forca	Field to Fork: Developing a Mobile Application to Connect Farmers and Consumers for Sustainable Food Systems
442	Rachel Gallego, Jerico Galila, Jayson Tahan, Mary Joy Mansing, Charena Garmay, Honelyn Labanon and Loveson Gallos	Development of University Transportation Management System
445	Herlinda Angelica Tanjung, Kevin Reynald, Ribby Aulia Barlie, Irene Anindaputri Iswanto and Arya Krisna Putra	A Lightweight MobileNetV2 with Dual-Level Feature Fusion for Fruit and Vegetables Freshness Classification
446	John Rey Galon, Seoj Clyde Galila, Jerald Cascara, Keith Gabriel Ymalay, Loveson Gallos and Rachel Gallego	Project G.U.A.R.D.I.A.N. (Guimaras Unified Architecture for Remote Sensing and Deep Learning Integrated Analysis Networks): A Multimodal AI Architecture for Spatial and Temporal
447	Divon Tamdang, Alfred John Borreros, James Ryan Ga, Loveson Gallos, Adrian Jaleco Forca and Rachel Gallego	Development of Research Management Information System
449	Deo Genisan, Reymart Carmelo, Jhosua Logronio, Mary Rose Artagame Artagame, James Ryan Ga and Rachel Gallego	Care Card: Mobile Application for Special Sector Identification and Incident Management
452	Dinda Salma Septriani, Aji Gautama Putrada and Nur Ghaniaviyanto Ramadhan	Time-Series Split for Efficient SHAP-Based Occupancy Rate Forecasting in Smart Parking
453	Ammara Ananti, Farah Qothrunnada, Tasya Pricilia Harianja and Mediana Aryuni	Explainable Machine Learning for Child Development Detection Using Imbalanced Data
454	Putu Adi Guna Permana, I Putu Ramayasa and A.A Ayu Meitridwiasiti	Development of a Laravel-Based Web Back-Office for Real-Time Attendance Monitoring and Reporting in Village Government: A Case Study of Blahkiuh Village
461	Anas Wicaksono and Gede Putra Kusuma	Selective Model Retraining: Balancing Predictive Robustness and Operational Efficiency under Concept Drift
465	Luis Wang Ciputro, Edward Kenjiro Tan, Chrisvian Purnama Rahardjo and Adele B L Mailangkay	Performance and Limitation Analysis of YOLOv11 for Multi-Object Waste Detection
467	Jonathan Sujadi, Takka Najib, Muhammad Majiid and Prabowo Sudarno	Light-Resilient CIELAB-Driven Random Forest for Computer Vision-Based Banana Ripening Classification
469	Evi Dewi Sri Mulyani, Shinta Siti Sundari, Teuku Mufizar, Cepi Rahmat Hidayat, Dede Syahrul Anwar and Rosi Maelani	Classification of Biodegradable and Non-Biodegradable Waste using Convolutional Neural Network Method with ResNet152V2 Architecture
472	Yamin Thwe, Dechrit Maneetham and Padma Nyoman Crisnapati	EEG Session Screening for Subject-Specific Motor Imagery Classification Using EMOTIV Insight
473	Karina Wardoyo, Samuel Setiawan, Nidya Tjokroseputro and Muhammad Majiid	From CNNs to LightGBM: Optimizing Urban Environmental Sound Classification for Resource-Constrained Deployment

Paper ID	Author	Title
475	Rama Ngurah Putera Pinatih, I Made Agus Wirawan and I Nyoman Saputra Wahyu Wijaya	DESIGN AND IMPLEMENTATION OF A REAL-TIME EMOTION RECOGNITION INTEROPERABILITY SYSTEM BASED ON LAB STREAMING LAYER USING EEG DATASET SIMULATION
479	Jolin Tiomar and Dani Suandi	An Ablation Study of Attention Mechanism and Deep Supervision in Swin UNETR for Brain Tumor Segmentation under Limited Computational Resources
482	Ariana Kaye Mola, Hanz Maveric Naldoza, Justine Galea, Angelica Siodena, James Ryan Ga and Rachel Gallego	Daho!: Mobile Application Linking Local Courier and Pasalubong Centers using Geographic Information Systems
483	Princess Hiponia, Shem Patrick Cantara, Catlane John Talagon, Rey Constantino Gonzaga and James Ryan Ga	Basic Commodity Price Prediction using SARIMA Algorithm
484	Sisilia Aileen, Stella Sugianto, Vincent Atmadjaya, Arya Putra and Irene Iswanto	Knowledge Distillation for Lightweight Food Image Classification on UECFOOD256: Optimizing EfficientNet-B0 Toward Full-Model Performance
485	Ratih Puspasari	Association Rule Mining for Consumer Purchase Pattern Analysis at PT Kids Automotive Indonesia
487	Jan Vincent Bolong, John Cristian Ganea, Jomel Aquino, Catherine Garque, Caryll Jeanne Cazandra Esmama and James Ryan Ga	Unified Agricultural Products Insurance System for the Department of Agriculture
490	Marvell Winanto, Anggit Adhikary, Louiza Tanaya, Meiliana and Fiqri Ramadhan Tambunan	Efficiency–Performance Trade-off of Lightweight and Transformer-based Models for Disaster Tweet Classification
491	Brian Filbert, Farrel Surbakti, Reina Setiawan and Reinert Rumagit	Measuring and Quantifying Feature Contribution Inequality in Machine Learning Models: A Case Study on Fraud Detection
492	Jason Francesco Tay, Dedrick Justin, Stefanus Benhard and Jeffrey Junior Tedjasulaksana	Optimizing Cardiovascular Diagnostics: A Performance Evaluation of Ensemble and Standard Classifiers
493	Pamela Barboza, Victor Castelli, Bruna de Vargas, Belén Pereira and Ricardo Bedin	Benchmarking ResNet Backbones in RT-DETR: Impact of Depth and Regularization under environmental conditions
494	Fandi Presly Simamora and Juliana Damayanti Manurung	A Feature-Level Attention BiLSTM Network with Huber Loss for Microclimate-Adaptive Rice Planting Calendars
495	Mario Benedict, Michael Kevin Pratama, Franz Adeta Junior and Andry Chowanda	SecBERT-Enhanced Multi-Label Vulnerability Detection for FHEVM Smart Contracts
496	Roony Soon, Jazlyn Phylicia, Zephania Widjaja and Abram Setyo Prabowo	Comparative Analysis of Hybrid GARCH-LSTM and LSTM-Transformer Models for Stock Price Prediction
497	Putu Gede Semara Putra, Dandy Pramana Hostiadi and Gede Angga Pradipta	Feasibility of Using a 1-Bit Language Model as a Lightweight Decision Engine
499	Pamela Barboza and Ashneet Khandpur	On the Effect of Input Resolution on Backdoor Attacks and Defenses in Traffic Sign Classification
500	Samuel Joseph Wijaya, Jovan Yehezkiel Farand Siallagan, Jerry Grabiell Marco, Satriadi Putra Santika and Hidayaturrahman Hidayaturrahman	An Experimental Evaluation of YOLOv8n for Real-Time Safety Helmet Detection in High- Density Urban Traffic
505	Christian Putra Mahardika, Sultan Naufal Ghatfan El Anwary, Ifan Ahnaf Sakhi Bakri, Reinert Yosua Rumagit and Reina Setiawan	Optimizing Data Acquisition to Achieve Sufficient Confidence in Predicting Football Player Value

Paper ID	Author	Title
506	Teguh Ikhlas Ramadhan	Zero-Shot Benchmarking of Open-Source Large Language Models for Indonesian Domain-Specific Question Answering: A Case Study on University Information Services
518	Florencia Olga, Michelle Angela Pang, Diana Diana and Shania Priccilia	Evaluating Face Verification Accuracy of ArcFace vs FaceNet Under Varying Lighting Conditions
519	Hugo Wahyu Bagus Putra Pratama, Reinert Yosua Rumagit and Reina Setiawan	Quantifying Data Quality Sensitivity in Tabular Machine Learning Pipelines
524	Sunaryo Winardi, Yuni Marlina Saragih, Ng Poi Wong and Carles Juliandy	Assessing SHAP Explanation Reliability Across Tree-Based Ensemble Models for Credit Risk Prediction
539	Jeremy Emmanuel Susilo	SMOTE Variants Analysis for Imbalanced Stroke Prediction Dataset
543	Daniel Setiawan, Venesia Arisaputri, Wayne Giovanno, Irene Anindaputri Iswanto and Arya Krisna Putra	Patient-Specific Epileptic Seizure Prediction Using Multi-Channel CWT Scalograms and Convolutional Neural Networks
544	Divon Tamdang, Alfred John Borreros, James Ryan Ga, Adrian Jaleco Forca, Loveson Gallos and Rachel Gallego	Optimizing R&D Decisions via Data Analytics: A Guimaras State University Case Study
547	Audi Rahardja, Aldeeza Praditha Efendi, Diana and Shania Pricillia	Evaluating & Analyzing Performance Degradation of Intelligent Systems Models against Degraded Datasets
548	Muhammad Ribhi Ramadan, Raivan Farraz Anrivy, Jeffrey Junior Tedjasulaksana and Stefanus Benhard	Predicting Food Security Index Using Food Price and Socioeconomic Indicators in Indonesia with Machine Learning Approach
553	Farrel Putra Imanuel The, Gilbert Arya Utama, Hans Marvel Lesmana, Irene Anindaputri Iswanto and Arya Krisna Putra	Experimentation on Various Loss Function Configurations Effects on Liver Tumor Segmentation Performance of TransUNet
561	Johanna Wudianto, Sandy Lim and Irene Anindaputri Iswanto	Architectural Enhancement of BERT-base-uncased Model for Cross-Lingual Sentiment Analysis on Indonesian Reviews
562	Sudarto Sudarto, R.A.Fattah Adriansyah and Afen Prana Utama Sembiring	Performance Analysis of Multi-Prototype Learning Vector Quantization with Random and K-Means Centroid Initialization for Student Academic Performance Prediction
563	Sabrina Arfanindia Devi, Brian Nicholas Tedjo, Kristian Novan, Arya Krisna Putra and Irene Anindaputri Iswanto	Decoding Neural Representations: CAV-Based Activation Engineering for Explainable Brain Tumor Segmentation across Multiple Architectures
564	Jeanette Hauw Chandra, Katarina Hilary Chandra and Abram Setyo Prabowo	Development of an Artificial Intelligence-Based Automated Short Answer Assessment System Using Sentence-BERT to Improve the Efficiency of Academic Evaluation
565	Nadya Salsabila, Aaron Nikolas Tondosaputro, Justin Lysander Setiawan, Irene Anindaputri Iswanto and Arya Krisna Putra	Enhanced Skin Lesion Classification for Melanoma Detection Using EfficientNet-B3 and Convolutional Block Attention Module (CBAM) with Explainable AI
566	Andrea Duspar, Vergel Gonzales, Daven Labordo and Adrian Jaleco Forca	AgriScan: A Mobile App for Detecting Calcium Carbide Treated Agricultural Product
569	Talethia Hayfa Syukur, Nicholas Widagdo, Orsino Jerrell Bruinier and Kartika Purwandari	Multi-Class Emotion Classification in Short Indonesian-Language Movie Reviews
573	Suryani Suryani, Komang Aryasa, Muhammad Fauzan Virgiawan, Ahmad Afdhal, Moch. Farhan Juliansyach Putra Taufiq and Ahyar Muawwal	From Assistance to Reliance: A KNN Baseline for Classifying Students' AI-Use Profiles
577	Shinta Siti Sundari, Teuku Mufizar, Ruuhwan Ruuhwan, Aso Sudiarjo, Rudi Hartono and Tyo Nurhakim	MobileNetV2-Based Lightweight CNN for Classifying Can and Styrofoam Waste Based on Physical Condition

Paper ID	Author	Title
578	I Gede Suka Yasa, Roy Rudolf Huizen and Dandy Pramana Hostiadi	URL-Based Phishing Website Detection Using Machine Learning: A Comparative Study of URL Feature Extraction and XGBoost Optimization
580	Anggi Susanti, Wisnu Rasyidin Azhari, Dicky Kurniawan, Indrawan Ady Saputro, Muhammad Setiyawan and Afnan Rosyidi	PlateRush: Real-Time Hand Gesture-Based Nutrition Education Game Using MediaPipe Tasks Vision
583	Matthew Sutiono, Winko Winko, Juan Sebastian, Irene Anindaputri Iswanto and Arya Krisna Putra	Robustness Evaluation of Individual and Random Choice Ensemble Data Augmentation Strategies on CIFAR-10/CIFAR-10-C
585	Jericho Teneddy, Darrell Santoso, Stefanus Benhard and Derwin Suhartono	Validation Strategy Sensitivity Analysis of Machine Learning Models for Imbalanced Credit Card Fraud Detection
589	Yericho Lim, Yudhistira Ari Nugroho, Adhe Lingga Dewi and Muhammad Rizki Nur Majiid	Time – Series Anomaly Detection in ESP32 Based Environmental Sensor Data Using LSTM Autoencoder
591	Hikmahtiar Aryojuno, Jane Angel Brilian Natasya and Meta Amalya Dewi	Data-Driven Supervision Prioritization of Inactive Taxpayers Using K-Means Clustering and Cluster Validation
594	Dedi Rosadi, Edi Supriyadi, Hadiano Hadiano, Ahsani Takwim, Regina Sukma and Dewi Mustikasari	EcoGrid-Agent A Digital Twin and Cognitive AI Smart Grid Controller for Microgrid Decarbonization
596	Juliana Damayanti Manurung and Fandi Presly Simamora	Comparative Analysis of LDA and BERTopic for Topic Modeling of Indonesian Fiscal Policy Discourse on X
597	Salvi Joyce Estember, Eve Yuri D. Ariza, Lucel F. Depiedra, Paolo M. Nanagad, Loveson Gallos and Rachel Gallego	Water Incident Reporting and Management System with GIS and Machine Learning Prediction
598	Muh Teguh Adhi Putra, Santi Santi, Suarga Suarga and Stiffany Lourens Zeannyfer	Indonesian Lip Reading Dataset for Deaf Communication Using Controlled Vocabulary
604	Frederica Sharon Sastradi and Adhe Lingga Dewi	Eye Fatigue Detection Using Convolutional Neural Networks Based on PERCLOS and Blink Rate Analysis
607	Stenly Richard Pungus, Andrew Tanny Liem, Semmy Wellem Taju, Reynoldus Andrias Sahulata, Green Ferry Mandias and George Morris William Tangka Tangka	Development of a Web-Based Contract Management System Integrated with a Document Chatbot
608	Filbert Alfredo Saputro, Jip Tyrone Ativiirya Janaprasetya, Mary Anggita Priscilla and Ventje Jeremias Lewi Engel	Evaluating Open-Source Large Language Models for Emerging Threat Intelligence in Dark Web Forums
609	Salman Halim Razak, Kettin Kettin, Bambang Aranaya Saputra, Gilbert Owen, Muhammad Fikri Hasani and Andien Dwi Novika	Impact of Text Preprocessing Techniques on Sentiment Analysis Model Performance for Low-Resource Sundanese Language
611	Farrel Hakim Amran Rosadha, Prabowo Wahyu Sudarno and Fredy Purnomo	Robust-Phish: Enhancing Network Security Against URL Phishing via Gated Recurrent Unit (GRU) Architectures
613	Kenrick Yovan	Enhancing Cross-Dataset Generalization in Deepfake Detection: A Multi-Source Fine-Tuning Approach with XceptionNet
620	Indrawan Ady Saputro, Ina Sholihah Widiati, Riyan Abdul Aziz, Ahmad Muhariya, Iwan Ady Prabowo and Sri Widiyanti	Adaptive Texture-Guided Fragile Watermarking for Image Authentication and Self-Recovery (ATSRW)

Paper ID	Author	Title
621	Vincent Fernandes, Nikita Putri Alexia, Andry Chowanda and Franz Adeta Junior	Directional Multi-Relational Graph Neural Networks for Fake Account Detection: A Robustness and Interpretability Study
622	Evi Lestari Pratiwi, Ramadhani Noor Pratama, Inayatul Ulya Ahyati, Paula Dewanti and Muhammad Ihza Alhafiz	AI-Driven Hybrid Recommendation for SDG 4-Aligned Final Project Topic Selection in Indonesian D3 Information Systems Education
626	Stenly Richard Pungus	An Innovative Approach to Data Modelling: Exploring the Components of a Context-Awareness Framework
627	Hongyu Huang, Padma Nyoman Crisnapati and Dechrit Maneetham	Dynamic Modeling of Servo-Assisted Gyroscopic Roll Stabilization Under Wave-Like Disturbances
628	Feiteng Wei, Padma Nyoman Crisnapati and Dechrit Maneetham	Angle Tracking and Safety Evaluation of a PID-Controlled CPM Knee Rehabilitation Device
629	Jingyuan Liu, Padma Nyoman Crisnapati and Dechrit Maneetham	UWB-EKF Localization and Pick-and-Place Control of a Differential-Drive Mobile Robotic Manipulator
630	Honghui Shi, Padma Nyoman Crisnapati and Dechrit Maneetham	Simulation-Based Safety Analysis of an IoT-Enabled Hydrogen Generator
631	Joy Nasten Sinaga, Caroline Caroline and Yuni Marlina Saragih	A Silhouette-Guided Pseudo-Label Generation Framework for Indonesian Depression Detection Using Contextual IndoBERT Embeddings
632	Dingli Wan, Padma Nyoman Crisnapati and Dechrit Maneetham	Google Colab-Based Interactive Joint-Space Modeling of a 6-DOF Robotic Hand
635	Edson Yahuda Putra and Ibrena Reghuella Chrisanti	An Integrated Fuzzy-BWM-MARCOS decision Framework for Optimizing Social Media Platform Selection in Higher Education Marketing
640	Athallah Rafif Rijal Belvana, Yasin Taryaqil Aghyar, Nathasa Bintang Kayesa, Sebastian Chang, Muhammad Fikri Hasani and Andien Dwi Novika	Evaluating Real-World QR Code Scanner in Detecting Quishing (QR Code Phishing): A Comparative Empirical Security Study
653	Jeremy Sean Sitranata, Stevan Pohan, Hans Christian Soebroto and Violitta Yesmaya	IndoFinBERT: Benchmarking a Domain-Adapted BERT Against Multilingual Models for Indonesian Financial Sentiment Classification
660	Radhinal Mucthar, Jufri Jufri and Erfan Hasmin	Multi-Attribute Performance Evaluation of Family Planning Cadres Using K-Means Clustering
661	Abdurrohman Abdurrohman, Edi Supriyadi, Muhamad Sabar, Gunawan Gunawan, Yasri Yasri and Ari Hadhiwibowo	K-Means Clustering for Skincare Price Segmentation in Digital Marketplaces
662	Dedi Julyan Sukawanto, Jufri Jufri and Erfan Hasmin	Characterizing Request Patterns of Web Crawlers on a Regional News Website Using Browser Fingerprinting
663	Jack Febrian Rusdi, Muhammad Shahmi Hafizin Nor Hisham, Vicente Aquino Pitogo, Zurina Sa'Aya, Rina Indrayani and Ari Hadhiwibowo	Multi-Sensor Based Vehicle Temperature Anomaly Detection Using IoT and Cloud Architecture
665	Arlinda Rusmartiana, Jack Febrian Rusdi, Muchammad Naseer, Ruth E. Sanchez, Danny Aidil Rismayadi and Mohammad Kchouri	Beyond Screen Time: The CDB-AF Multidimensional Framework for Children's Digital Behavior and Risk Analysis
666	Ahmad Zaenal Muttaqin, Ajri Muhammad Sidiq, Nova Agustina and Danny Aidil Rismayadi	Development of an E-Commerce Platform and Implementation of the Apriori Algorithm for a Product Recommendation Feature

Paper ID	Author	Title
667	Multi Nadeak	Risk-Aware Flood Route Recommendation System in Jakarta Using BPBD-Calibrated Labels and Corridor Projection Algorithm
669	Aridwan Aridwan, M Dimas Daniswara Putra, Nova Agustina, Danny Aidil Rismayadi and Eka Hidayat	Mobile Application For Video-To-Text Sign Language Translation Based On Deep Learning Using Bidirectional Gru
670	Andi Irmayana, Nurul Aini, Ramlah P, Muhammad Husnul and Zalsabila S	Identification of Determinant Factors and Prediction of High-Value Waste Prices Using Long Short-Term Memory (LSTM)