Dissertations

No	Name	Dissertation Title	Ethics AI
1	Relly Andayani	Development of a Classification Method for Concrete Compressive Strength and Slump Based on Fresh Concrete Texture Features	Low Ethical Potential: Applications in materials engineering do not involve human data or socially impactful decisions.
2	Sigit Widiyanto	Development of GLCM and Wavelet Based Texture Feature Extraction Method for Beef Tenderness Classification	Low Ethical Potential: Application for quality control of food products, does not involve personal data.
3	Fikri Budiman	Method for Determining the Optimal Value of SVM-RBF Kernel Space Parameters in Multi-Class Classification of Indonesian Batik Motifs	Positive Ethical Potential: Application for cultural preservation. Does not touch sensitive data.
4	Titin Winarti	Development of Automatic Stemming Algorithm with Affix Removal to Improve the Performance of Text Document Clustering Process	Medium Ethical Potential: Depends on the type of document. If it contains personal data, privacy and data security issues become relevant.
7	Edi Surya Negara	Dual Mode Identification For Detecting Communities On Social Networks	High Ethical Potential: Regarding user data privacy, social network analytics can be misused for surveillance or profiling.
8	Dolly Indra	Development of Bisindo Sign Letter Recognition Method Based on Similarity of Shape Features	Positive Ethical Potential: Applications for inclusivity and helping the deaf community. The main ethical issues are accuracy and reliability.
9	Naeli Umniati	Development of Offline Signature Identification Method Based on Global and Local Feature Extraction	High Ethical Potential: Relating to biometric security. Ethical issues include data privacy, consent, and reliability.
13	Rina Refianti	Development of Affinity Propagation Algorithm for Data Clustering	Medium Ethical Potential: Depends on the data used. If to group consumer or citizen data, issues of profiling and bias may arise.
14	Cahyawati D. K.	Development of Global and Local Shape Feature Extraction Methods and Algorithms as a Basis for Online Signature Identification	High Ethical Potential: Online data is more vulnerable to hacking. Privacy, security, and consent issues are crucial.
15	Tata Sutabri	Development of Corpus-Based Sentiment Analysis Method and Multinomial Naïve Bayes Classifier	High Ethical Potential: Can be used to monitor public opinion, raising privacy and surveillance issues.
16	Ire Puspa W.	Development of Video Search Methods and Algorithms Based on Similarity of Color Feature Content	Medium Ethical Potential: If applied to surveillance or personal video, privacy issues become relevant. Risk of individual tracking.

17	Marliza Ganefi G.	User Preferences to User Interface Description Transformation Method for Building Adaptive OPAC	Medium Ethical Potential: Relates to personalization and collection of user preference data.
18	Andreas H.	Sentiment Assessment and Topic Classification Method for Online Media Analysis Based on NLP and DBN	High Ethical Potential: Related to public opinion analysis, data privacy, and possible information manipulation or censorship.
19	Dina Anggraini	Indonesian Official Document Text Summarization System Using Extractive Techniques...	Medium Ethical Potential: Summary accuracy is essential for official documents to avoid causing misinformation.
20	Diana Ikasari	"Development of Novel Classification Method Using Matrix Factorization Based on Rating, Review and Expertise"	Low Ethical Potential: Application to literature, minor ethical issues related to potential bias in rating data.
21	Irwan Bastian	Text Document Classification Method Based on Topic Modeling and Deep Learning	Medium Ethical Potential: Depends on the source of the text. If analyzing emails or personal documents, privacy and data security issues are very high.
22	Mochamad Karjadi	Infrasonic Infinite Impulse Response (IIR) Digital Filter Design for Fetal Heartbeat Detection	High Ethical Potential: Medical applications. Ethical issues include privacy of health data, diagnostic accuracy, and tool reliability.
23	Ilmiyati Sari	Principal Component Based Moving Object Extraction and Limited Memory Block Subspace Krylov Optimization on Dynamic Background Videos	High Ethical Potential: Can be used for surveillance. Privacy issues, unauthorized tracking, and potential bias are major concerns.
24	Fikri Saleh	Adaptive Ontology Method in Dynamic Interoperability Environment in Higher Education Data Reporting System	Medium Ethical Potential: Related to academic data management. The main issue is the integrity and security of student and institutional data.
26	Agung Slamet R.	Detection of Fetal Head and Abdomen on Ultrasonography (USG) Images for Birth Weight Prediction Using the Otsu Method	High Ethical Potential: Medical applications. Ethical issues include prediction accuracy (can influence medical decisions), patient data privacy, and reliability.
27	Ericks Rachmat S.	Deep Learning Long-Short Term Memory Modeling for Indonesian Decimal Digit Speech Recognition	Medium Ethical Potential: Voice recognition technology can be misused for surveillance. Voice data privacy and security issues.
28	Dharmayanti	Development of Kinematic Similarity Analysis System for Linear and Angular Motion of Taekwondo Martial Arts Using Dynamic Time Warping Method	Low Ethical Potential: Applications to sports analytics for performance enhancement. Athlete data privacy issues may be relevant.
30	Sutresna Wati	Consistent and Distributed Document Processing Framework Based on Knowledge Graph	Medium Ethical Potential: Creating a knowledge graph from documents can reveal sensitive relationships if the data is personal or confidential.

31	Tjut Awaliyah Z.	Development of Tajweed Segmentation and Extraction Methods and Algorithms and Creation of Tajweed Image Dictionary for Introduction of Tajweed Laws in the Qur'an	Positive Ethical Potential: Applications for religious education. The ethical issue is accuracy so as not to teach the wrong thing.
32	Ety Sutanty	Development of Retinal Blood Vessel Furcation Feature Extraction Method and Algorithm as a Basis for Individual Recognition	Very High Ethical Potential: Use of retina as a biometric. Data privacy issues (very unique and permanent), security, and potential for abuse for mass surveillance.
33	Fauziah	Identification of Shoulder Joint Motion Range in the Frontal Plane Using the Moment Invariant Method and Artificial Neural Network Based on the Skeleton Model	Medium Ethical Potential: Applications to medical or sports analytics. Privacy issues of individual health and fitness data.
34	Eka Miranda	Satellite Imagery Land Cover Classification in Ontology Interpretation	Moderate Ethical Potential: Satellite imagery analysis could be used to monitor activity on private property without permission, raising privacy issues.
35	Siti Saidah	Development of String Similarity Level Based Retrieval Method Measured Using Edit Distance Adaptation in Drug Information Search System	High Ethical Potential: Drug information search is a critical area. Errors or inaccurate results can be harmful to the health of users.
38	Weda Adistianaya	Development of Competency Competency Examination Framework between Higher Education Curriculum and Competency Needs in the IT Industry...	Medium Ethical Potential: May impact curriculum design and student career paths. Potential bias in “industry needs” may overlook broader aspects of education.
39	Indah Dwi M.	Development of MDA (Aesthetic Dynamic Mechanics) Gamification Model with Naïve Bayes Classification Based Recommendation System for Lecturer Career System...	Medium Ethical Potential: Gamification can manipulate behavior. Career recommendation systems can introduce bias and pressure on faculty to follow certain metrics.
40	Ida Astuti	Method of Creating Annotated Bullying Corpus on Social Media Using Deep Neural Network	High Ethical Potential: Involves highly sensitive data (bullying). Ethical issues include victim/perpetrator privacy, trauma, consent, and model fairness.
42	Rifiana Arief	Multilevel Classification Method Based on Convolutional Neural Network and Regular Expression for Scanned Document Search Based on Content	Medium Ethical Potential: Depends on the content of the document. If the document is confidential or personal, issues of privacy, security, and unauthorized access become important.
43	Iyan Mulyana	"Development of Indonesian Language Stemming Algorithm through Modification of Affix Groups, Order and Method of Morphophonemic-Based Affix Deletion"	Low Ethical Potential: This is a basic component in NLP. Its ethical potential only emerges when applied in larger applications.

46	Hasma Rasjid	""Contour - Base Line"" Algorithm for Detecting Edge Curvature and Twist Defects in Ceramic Tiles"	Low Ethical Potential: Application to manufacturing quality control.
47	Irfan Humaini	Development of Cosine Similarity Algorithm on TF-IDF Vector Space Model (VSM) to Support Information Retrieval of Al Quran and Hadith...	Positive Ethical Potential: Facilitates access to and understanding of sacred texts. The ethical issue is accuracy and correct interpretation.
48	Darmastuti	Method of Identification of Mandibular Cortical Resorption to Detect Osteoporosis on Panoramic X-Ray	High Ethical Potential: Medical applications. Ethical issues include diagnostic accuracy, health data privacy, and patient consent.
49	Budi Utami F.	Development of Segmentation Algorithm and Classification Algorithm for Liver Cancer Identification in Ultrasonography Images	Very High Ethical Potential: Cancer diagnosis. Model accuracy can mean the difference between life and death. Medical data privacy issues are crucial.
50	Ias Sri Wahyuni	Development of Multi-Focus Image Fusion Method Based on Local Variability Using Dempster-Shafer Theory and Surrounding Local Variability	Low Ethical Potential: It is a basic technique in image processing.
51	Miftahul Jannah	Classification of Male and Female Gait Styles Based on the Movement Features of the Center of Mass Point...	High Ethical Potential: Gender-based classifications can reinforce stereotypes. Can be misused for surveillance and profiling without consent.
52	Oktaviani	Development of Plant Species Identification Method and Algorithm Based on Twelve Leaf Morphological Features...	Positive Ethical Potential: Applications to biology and conservation.
53	Ihsan Jatnika	Development of Rainbow Fish Species Recognition System Based on Truss Morphometric Features Using Linear Discriminant Analysis and Convolutional Neural Network	Positive Ethical Potential: Applications to biology and conservation.
54	Yuti Dewita A.	Development of Kidney Stone Detection System and Calculation of Cross-Section Area on CT-Scan Images	High Ethical Potential: Medical applications. Issues of diagnostic accuracy, patient data privacy, and system reliability.
55	Septi Andryana	UG-Smartrank: Development of MCDM Method for Ranking Universities in Indonesia...	High Ethical Potential: Rankings can have significant impacts on an institution’s reputation and funding. Fairness, transparency, and bias in the selection of criteria and weights are key ethical issues.
56	Baby Lolita B.	Non-Intrusive Identification of Arrhythmia Based on Wrist Frequency Using the Eulerian Video Magnification Method	High Ethical Potential: Health apps. Heart rate data privacy issues, diagnostic accuracy (mistakes can be fatal), and data security.
57	Eel Susilowati	Classification of Medan Orange Fruit Based on Similarity of HCL Color and GLCM-Wavelet Texture Features	Low Ethical Potential: Applications to agriculture and food quality control.

59	Mochamad W. S.	"Combination of Pitch, Formant, and MFCC Voice Features as a Basis for Individual Recognition Using Long-Short Term Memory (LSTM)"	Very High Ethical Potential: Voice-based individual recognition. Issues of voice data privacy, biometric security, surveillance, and potential misuse (e.g. voice forgery).
60	Lulu Mawaddah W.	Identification Method for Benign and Malignant Tumors in Mammogram Images Based on Mass Texture Features Using Wavelet-GLCM and Artificial Neural Networks	Very High Ethical Potential: Cancer diagnosis. Model accuracy is crucial. Issues of medical data privacy, fairness (does the model work equally well for all demographics), and decision transparency.
62	Reza Chandra	Identification of Pornographic Web Content Using MLP and CNN Model Approaches	High Ethical Potential: Related to censorship issues. Risk of false positives (blocking non-pornographic content) and false negatives. Freedom of expression issues are central.
63	Sastya Hendri W.	Development of Stemming Algorithm for Rejang Language Stemmer Based on Rejang Language Morphology	Positive Ethical Potential: Contributing to the preservation of regional languages.
64	Liduina Asih P.	Exponential Accelerated Failure Time Cure Rate (AFT-CR) Optimization Using Genetic Algorithm	Moderate Ethical Potential: Depends on the context of the application of the survival analysis model. If used on patient or credit data, issues of fairness and bias become relevant.
65	Trinugi Wira H.	Development of Extraction Method of Twenty-Three Morphological Characteristics of Leaf Shape as a Basis for Identification of Medicinal Plant Types	Positive Ethical Potential: Applications to the preservation of botanical and herbal knowledge.
66	July Yanto	Development of methods and algorithms for grouping the nutritional quality of chicken eggs based on the color features of the egg yolk	Low Ethical Potential: Application to the food industry.
67	Supriyono	Development of Method and Algorithm for Measuring Microstructure Grains in Metallographic Images as Prediction Parameters for Yield Stress of Carbon Steel Materials...	Low Ethical Potential: Application to materials science.
68	Hanny Hikmayanti	Method and Algorithm for Extracting Global and Local Fat Size Features as a Basis for Classifying Beef Marbling Quality Levels.	Low Ethical Potential: Application to the food industry.
69	Rianto	Classification of Emotions in Indonesian Text with Stemming Using Incorbiz Dynamic Corpus	High Ethical Potential: Emotion detection can be misused for employee surveillance or consumer manipulation. Emotional privacy and model accuracy issues.

70	Sulardi	"Optimal Hole Shape Prediction in Castellated Steel Beams Based on Deflection and Stress Using Shape Detection Method, 3D Mesh Approximation and Finite Elements"	Low Ethical Potential: Application to structural engineering.
71	Ahmad Fauzi	"Feature Extraction Method of Height-Width Ratio of Body, Movement Speed and Rule Model as a Basis for Identification of Abnormal Activities in Surveillance Video"	Very High Ethical Potential: Definition of “abnormal activity” can be highly subjective and biased. High risk for mass surveillance, profiling, and discrimination.
72	Syamsi Ruhama	Similarity Multilevel Ontology Based on Data Intensive Natural Language Processing	Medium Ethical Potential: If applied to personal data, it can be used for profiling at a very high level of detail.
73	Lely Prananingrum	Method of Measuring the Level of Suitability Between Study Program Curriculum and Occupational Profession	Moderate Ethical Potential: May impact curriculum design and career paths. Potential bias in “profession” data could narrow educational scope.
74	Dea Adlina	Development of Network Disintegration Methods and Algorithms Based on Covariance and Interclass Inertia Between Segments	Medium Ethical Potential: Network analysis. When applied to social or communication networks, issues of privacy and surveillance arise.
76	Prihastuti H.	Development of Harmonized System Coding Generation Method Based on Product Description	Low Ethical Potential: Application to trade/customs administration automation.
77	Ernianti Hasibuan	Mobile Application Development Framework for Heterogeneous Environments based on User Modeling with Benefits	Medium Ethical Potential: User modeling requires the collection of behavioral data. Privacy issues and how that data is used are key.
78	Winda Widya A.	Temporal Topic Model Visualization in Deep Learning Based Decision Support System	Medium Ethical Potential: Depends on the DSS domain. If for business or policy, the explainability of deep learning models becomes an important ethical issue.
79	Yulia Darmi	Graph Modeling of Sub-district Area Maps in Bengkulu City for Applications to Determine the Nearest Evacuation Route in GIS-Based Earthquake and Tsunami Simulations	Positive Ethical Potential: Applications to public safety and disaster management.
80	Rahayu Widayanti	Academic Quality Assurance System for Higher Education Using Auto-Summarizing Self Organizing Map	Medium Ethical Potential: Automation in quality assurance can raise issues of fairness and transparency. How the model evaluates “quality” must be clear and unbiased.
81	Dwi Safiroh U.	"Development of Association Rule Based Recommendation System with Bi-Confidence, Bi-Lift and User Experience Metrics in Recommendation Novelty Aspect"	Medium Ethical Potential: Recommendation systems can create “filter bubbles” and limit users’ exposure to new information. Transparency and user control issues.

82	Murniyati	"Social Trust Network Analysis on User Behavior in Recommendation System based on Clustering Relationship, Trusted Friend and Rating"	High Ethical Potential: Analyzing “trust” in social networks is closely related to privacy and social dynamics. Can be abused for manipulation.
83	Yuli Maharetta A	Predictive Data Analytics of Ralph Lauren Product Color Trends Using Neural Networks...	Low Ethical Potential: Application to market and fashion trend analysis.
84	Hariyanto	Identification of Real or Fake Fingerprints Based on Minutiae Distance Using Neural Network and Convolutional Neural Network Methods	High Ethical Potential: Crucial for biometric security. Issues of reliability, privacy of biometric data, and potential bias against certain demographic groups.
85	Linda Wahyu W.	Detection and Classification of Lower Molar Caries Using Periapical Radiograph Images of Teeth with Growing Region Segmentation	High Ethical Potential: Medical applications. Issues of diagnostic accuracy, patient data privacy, and system reliability.
86	Swelandiah E. P.	Identification of Fish Freshness Based on Gill Color Features Using Neural Network Method	Low Ethical Potential: Application to the food industry.
87	Dewi Anggraini P	Modification of Moving Object Region Based Video Compression Algorithm in Video Surveillance Systems	High Ethical Potential: Directly related to surveillance video. Increased compression efficiency could make it easier to store surveillance data on a large scale, raising privacy issues.
88	Mochamad Husni	Adaptive Rules-Based Library Book Recommendation System to Measure and Improve Recency of Recommendation Results	Low Ethical Potential: Application to content recommendations. The “filter bubble” issue remains but its impact is lower than news or products.
91	Didi Rustam	Development of Classification Method of Scientific Field Groups Based on Scientific Publications of Lecturers Based on BERT	Medium Ethical Potential: Can be used for lecturer performance evaluation. Issues of fairness and accuracy of classification so as not to harm certain individuals or fields of science.
92	Jennie K.	Development of Algorithm for Classification of Types and Assessment of Road Damage Levels on Flexible Pavement	Low Ethical Potential: Application to infrastructure maintenance.
93	Asri Wulan	Sand and Clay Soil Type Recognition System Based on Color Feature Similarities	Low Ethical Potential: Applications in geology or agriculture.
94	Ellysa	Development of Methods and Algorithms for Identification of Soil Mineral Content Based on Color Feature Similarity	Low Ethical Potential: Applications in geology or agriculture.
96	Rakhmi Khalida	Utilization of Word Embedding as a GAN Guide for Batik Pattern Generation	Positive Ethical Potential: Generative AI for creativity and cultural preservation. Minor issues related to originality and copyright.

98	Moehamad Adi R.	Development of an Individual Occupational Risk Assessment System using the Revised NIOSH Lifting Equation with Adaptive Anthropometric Parameters Based on Digital Image Processing.	High Ethical Potential: Individual occupational risk assessments can be used for employee monitoring and personnel decisions. Privacy, accuracy, and fairness issues are critical.
99	Antonius A. K.	Development and Implementation of Multi-Discipline Classification on Documents Based on Scientific Article Abstracts Using Pre-Trained BERT Model	Low Ethical Potential: Application to academic metadata. Potential bias in classification could affect research metrics.
100	Sumaiyah F. D.	Convolutional Neural Network for Visual Character Identification and Facade Condition of Historical Buildings in the Ancient City of Lasem	Positive Ethical Potential: Application to cultural heritage conservation.
101	Bonang W. L.	Coffee Supply Chain Traceability System Based on Blockchain and Machine Learning	Medium Ethical Potential: Increases supply chain transparency. Ethical issues relate to the accuracy of data fed into the system and its impact on smallholder farmers.
102	Guntur Eka S.	Development of Detection Method and Counting of Oil Palm Trees from Sentinel 2 Imagery Using Object-Based Image Analysis (OBIA) Method	Medium Ethical Potential: Can be used for plantation monitoring. Ethical issues relate to land use, deforestation, and potential land conflicts.
104	Mara Nugraha	Visual Robot Programming for Early Childhood Computing Learning	Medium Ethical Potential: AI applications in children's education. Issues of children's data privacy, psychological impacts of interacting with robots, and ensuring learning content is unbiased.
105	Koko Bachrudin	Vital Information Infrastructure Interdependence Analysis Framework Based on Fuzzy Causal Knowledge Graph	High Ethical Potential: Analysis of vital infrastructure related to national security. Issues of security, reliability, and potential misuse of information are crucial.
106	Sandy Suryo P.	Real-Time Image Quality Monitoring System for DVB-T2 Digital Television Broadcasting Using Objective Metrics and Subjective Metrics Based on Machine Learning	Low Ethical Potential: Technical applications for monitoring broadcast quality.
107	Luqman	Development of Polynomial Regression Model for Predicting Calorie Potential of Waste as Raw Material for Energy...	Positive Ethical Potential: Applications to renewable energy and environmental management.
110	Suherman	Development of a Method for Identifying Body Movements of Kinesthetic Learning Styles Based on Student Video Data when Learning Online.	High Ethical Potential: Involves monitoring and analyzing student behavior. Issues of privacy, consent, and potential stigmatization of students.
111	Tri Handayani	Classification of Fresh Concrete Compressive Strength Using Gray Level Run Length Matrix Neural Network Method and	Low Ethical Potential: Application to materials engineering.

		Convolutional Neural Network Model	
112	Paranita Asnur	Optimization of Mangrove Tree Species Identification Based on Leaf Morphological Features Through the Convolutional Neural Network Hyperparameter Tuning Process	Positive Ethical Potential: Applications to environmental conservation.
113	Anneke A. P. S.	Multi-Label Detection for Common and Rare Eye Diseases Using Multi-Modality and Semantic Dictionary	High Ethical Potential: Medical applications. Issues of diagnostic accuracy, patient data privacy, and model fairness for rare diseases.
114	Yenniwarti R.	Geometry Point Square Pixel Algorithm for Automatic Cumulonimbus Cloud Prediction Based on NOAA Satellite Imagery...	Positive Ethical Potential: Applications to aviation safety.
115	Rio Yunanto	Optimizing Provocative Text Classification for Fake News Detection with Ensemble Learning and Pretrained Transformer Model	High Ethical Potential: Complex issues regarding misinformation, free speech, censorship, and bias in the definition of “provocative.”
117	Rehulina A.	Implementation of Convolutional Neural Network (CNN) on land cover suitability for senior tourism areas	Positive Ethical Potential: Applications to improve accessibility and quality of life for the elderly.
118	Adam Huda N.	"Development of LeNet Architecture with Convolutional Neural Network (CNN) Method in Recognizing Bandung, Bogor, and Cirebon City Accent"	Medium Ethical Potential: Accent recognition can be used for profiling. Fairness issues (does the model work well for all speakers) and privacy.
119	Ahmad Rofii	Ensemble Neural Network for Predicting Electrical Power Usage of Buildings	Medium Ethical Potential: Predicting electricity usage may reveal occupant activity patterns, raising privacy issues.
122	Hendri Dwi P.	Crowd Analysis and Classification with Gene Expression Programming Algorithm for Crowd Management System	High Ethical Potential: Crowd analysis is closely tied to surveillance. Issues of privacy, freedom of assembly, and potential misclassification of behavior.
123	Edi Minaji	Development of Methods and Algorithms for Detection and Quantification of Severity of Anthracnose Disease in Large Red Chili Fruit	Low Ethical Potential: Application to agriculture.
124	Muhammad Firdaus	Development of Weighted Sum Model Algorithm and Wroclaw Taxonomic into Multi Criteria Decision Making Hybrid Case Study: ERP Software Selection	Low Ethical Potential: Application to business decision making.
125	I Komang Sugiartha	Development of Prescriptive Method Based on Generative Adversarial Networks for Health Center Activity and Budget Planning	High Ethical Potential: Public health service budget planning. Issues of fairness of resource allocation, transparency, and accountability of model decisions.

126	Yogi Permadi	Development of Computer Vision-Based Robot Arm Movement Method on Collaborative Tomato Fruit Picking Robot	Medium Ethical Potential: Relating to automation of jobs in the agricultural sector. The main issue is the socio-economic impact on human labor.
127	Desy Kristyawati	Integration of Strain Gauge Sensor and Dataset Formation for Biceps Muscle Motion Classification Using Machine Learning	Medium Ethical Potential: Applications to biomechanical or medical analysis. Issues of physiological data privacy and accuracy.
128	Nur Azizah	Data Augmentation Model to Improve Accuracy of Smear-Negative Pulmonary Tuberculosis Detection Using Faster R-CNN Method...	High Ethical Potential: Medical applications for TB diagnosis. Issues of accuracy, patient data privacy, and fairness of technology access.
129	Ike Putri K.	Development of Student Job Profession Prediction Method Based on Generative Adversarial Network	High Ethical Potential: Career path predictions can introduce bias and limit student choices. Issues of fairness and model accuracy are critical.
130	Lilis Setyowati	Regional Health Development Index Calculation Model with Enhanced Random Forest Algorithm	High Ethical Potential: Influencing public health policy. Issues of fairness in metrics, transparency, and potential bias that disadvantages certain areas.
131	Noor Vika H.	"Development of BAUM Test Classification Model for Human Personality Assessment based on Image Proportion..."	Very High Ethical Potential: Assessing personality can be used in recruitment or psychological testing. Issues of scientific validity, privacy, stigmatization, and cultural bias.
132	Witta Listiya N.	"Development of Multimodal Toxicity Classification Model on Social Media Platforms Using Large Language Model (LLM)..."	High Ethical Potential: Similar to provocative content detection. Addressing online toxicity is important, but it carries the risks of bias, misclassification, and censorship.
133	Dina Agusten	Development of Graph-Based Summarization Method for BAN-PT Accreditation Self-Evaluation Report Documents...	Medium Ethical Potential: Summary accuracy is critical. Errors may affect an institution's accreditation outcome.
134	Rogayah	Extractive Text Summarization System Using BERT and Cosine Similarity Methods. Case Study: PhD Qualification Proposal Assessment...	Moderate Ethical Potential: Summary accuracy may affect reviewers' perceptions of the proposal. Fairness and bias issues.
136	Dwi Swasono R.	Glioma Extraction on MRI Images Using a Hybrid Approach	High Ethical Potential: Brain tumor diagnosis. Issues of accuracy, medical data privacy, and system reliability.
137	Yusuf Sutanto	Bayesian Analysis of Direct Acyclic Graph Model in Predicting Success Rate of Scrum-Based Software Development Projects	Low Ethical Potential: Application to project management.
138	Abdul Muchlis	Development of a Prototype of an Automatic Deep Learning Based Fabric Quality Grading Device	Low Ethical Potential: Application to textile industry quality control.

139	Aris Gunaryati	Hybrid Arima LSTM Model Using Regression Smoothing Approach For Sharia Stock Price Prediction	Medium Ethical Potential: Capital market prediction. Issues of reliability, model transparency, and potential impact on market stability.
140	Riya Widayanti	Integration of Fuzzy Levenshtein Search and Blockchain in MBKM Activity Assessment Data Management in Higher Education	Medium Ethical Potential: Related to student assessment. Issues of fairness, data privacy, and data integrity on blockchain.
141	Sandy Suryady	Development of Convolutional Neural Network Algorithm for Hotspot Detection in Solar Panel Damage	Low Ethical Potential: Application to renewable energy maintenance.
142	Herik Sugeru	Development of a Location-Specific Balanced Crop and Fertilization Recommendation System Using Machine Learning	Positive Ethical Potential: Application to increase agricultural yields. The ethical impact is positive.
143	Irvan Septyan M.	Convolutional Neural Networks Approach for Aerodynamic Performance Prediction on Low Reynolds Number Airfoils	Low Ethical Potential: Application to aerospace engineering.
146	Prameswari R. J.	Development of Multi-Criteria Decision Making Stress Management Model for Final Year Engineering Students with Machine Learning Approach...	High Ethical Potential: Related to student mental health. Issues of privacy, stress detection accuracy, and potential stigmatization.
147	Febry Mandasari	Identification of Soil Bearing Capacity Through Measurement of Pore Number and Soil Water Content Using Image Morphology and Capacitive Soil Moisture Sensor	Low Ethical Potential: Applications in geotechnics/construction.
148	Fivtatianti H.	Formation of Borobudur Temple Relief Detection Model Using Deep Learning	Positive Ethical Potential: Application to cultural heritage preservation.
149	Ega Julya F.	Development of Holistically-Nested Edge Detection (HED) Algorithm for Landslide Potential Identification Based on Convolutional Neural Network (CNN)	Positive Ethical Potential: Applications for natural disaster mitigation.
150	Ratih Wulandari	Visualization with Linked Data Approach on Spatial Story Map to Support Energy Planning in Food and Beverage Industry Supply Chain	Low Ethical Potential: Application to industrial planning.
151	Abdul Hakim	Development of a Smartclass Room System that Includes Face Detection and Body Movement Activities During Lecture Activities	Very High Ethical Potential: Involves surveillance of students' faces and activities in class. Issues of privacy, consent, fairness (e.g., in assessing participation), and potential for "chilling effects."

152	Moh. Yunus	Development of Classification System and Generation of Speech to Text Description and Large Language Model (LLM) Related to Police Reporting	Very High Ethical Potential: Applications in the justice system. Crucial issues are transcription accuracy, bias in LLM when generating descriptions, privacy, and reliability as a law enforcement tool.
153	Risnawati	Development of Classification Method and Algorithm of Crocidolomia pavonana Larvae Using Deep Convolutional Neural Network	Low Ethical Potential: Applications in agriculture (pest control).
154	Tri Djoko S. M.	Artificial Intelligence Based Rainfall Prediction Model Optimization	Positive Ethical Potential: Applications to disaster mitigation and agricultural planning.
156	Indrianto	Electric Power Demand Prediction Model Using Arima and Sarima and Power Plant Management Based on LVQ Method...	Medium Ethical Potential: Aggregate predictions have low ethical risk, but if they are scaled down to the individual level, privacy issues of activity patterns may arise.
158	Doddi Yuniardi	Thermal Image-Based Vehicle Exhaust Emission Detection Using Convolutional Neural Network Method	Medium Ethical Potential: Can be used for emission rule enforcement. Accuracy and fairness issues in law enforcement.
160	Andi Asnur P. M.	Machine Learning Model Development for Budget Plan Cost Prediction in Building Construction Projects	Low Ethical Potential: Application to construction project management.
161	Ratu Nurmalika	Development of Longitudinal Crack Damage Level Detection System on Rigid Pavement Roads Using Convnext Model	Low Ethical Potential: Application to infrastructure maintenance.
162	Oni Indah C.	Identification of Safe Zones of River Boundary Lines... Based on Satellite Imagery Using Convolution Neural Network Model	Positive Ethical Potential: Applications to spatial planning and disaster mitigation.
163	Nurasiah	Classification Model for Early Mental Health Screening Through Draw A Person (Dap) Test and Self Reporting Questionnaire 20 (SRQ-20) with Machine Learning Approach	Very High Ethical Potential: Involves mental health data. Issues of privacy, diagnostic accuracy, risk of stigmatization, and scientific validity.
164	Ahmad Apandi	"Modeling and Method Development for Indonesian Language Image Captioning Based on Vision Transformer, Indobert, and Bigbird"	Medium Ethical Potential: Accuracy of description is very important. Incorrect or biased descriptions may lead to misinformation or be offensive.
165	Ahmad Hidayat	Development of a Multi-label Voice Phishing Classification Model Based on Large Language Models in Indonesian Telephone Conversations	High Ethical Potential: Applications for security. Issues of privacy (analyzing phone conversations), accuracy, and potential for damaging false positives.

Publications

Following are publications which are related with Ethics of AI or related subjects

Name	Title	Publication	Year
Detty Purnamasari	Sentiment Analysis Methods for Customer Review of Indonesia E-Commerce	International Journal of Innovative Computing, Information & Control	2024
Detty Purnamasari	Artificial Intelligence Model for Detecting Tax Evasion Involving Complex Network Schemes	APTISI Transactions on Technopreneurship (Q1, Scopus, SINTA-1)	2024
Detty Purnamasari	Ontology for Corpus of Occupation and Competency Standards	Journal of Theoretical and Applied Information Technology (Q3)	2021
Detty Purnamasari	Semantic Similarity for Search Engine Enhancement	Journal of Engineering and Applied Sciences (Q4)	2017
Detty Purnamasari	HTML Table Wrapper Based on Table Components	International Journal of Computer Applications in Technology (Q2)	2015

Name	Title	Publication	Year
Detty Purnamasari	Population Metadata Development for Data Interoperability (Government Agencies in Indonesia)	ARPN Journal of Engineering and Applied Sciences (Q3)	2014
Adang Suhendra	MiMaLo: Advanced Normalization Method for Mobile Malware Detection	International Journal of Modern Education and Computer Science (Q2, Scopus)	2022
Adang Suhendra	A study using machine learning with N-gram model in harmonized system classification	Journal of Advanced Research in Dynamical and Control Systems (unranked, Scopus)	2020
Adang Suhendra	Artificial intelligence-based methods for harmonized system code translation: A review	Journal of Advanced Research in Dynamical and Control Systems (unranked, Scopus)	2020
Lintang Yuniar Banowosari	Comparison of deep learning models: CNN and VGG-16 in identifying pornographic content	IAES International Journal of Artificial Intelligence (IJAI)	2025

Name	Title	Publication	Year
Lintang Yuniar Banowosari	Comparative Study of LSTM Algorithm Performance and CNN in Machine Learning Model for Google Inc. Share	International Research Journal of Advanced Engineering and Science (IRJAES), Vol 6 No 2	2021
Lintang Yuniar Banowosari	Interdependence analysis of critical information infrastructure using fuzzy cognitive maps	ICIC Express Letters (Scopus Q4)	2024
Sutresna Wati	Implementation of Convolutional Neural Network (CNN) in Android-Based Acne Detection Applications	2022 International Conference on Information Technology Research and Development (ICITRD)	2022
Sutresna Wati	Klasifikasi Kendaraan Militer (Pesawat F16, Kapal Fregat, Tank Leopard) di Indonesia menggunakan Convolutional Neural Network (CNN)	Jurnal Elektrosista, Vol 12 No 1	2024
Sutresna Wati	Implementasi Algoritma Regresi Logistik untuk Binary Classification dalam Spam SMS dan WhatsApp	Seminar Nasional Inovasi Teknologi (INOTEK) Vol 7 No 1	2021

Name	Title	Publication	Year
Antonius Angga Kurniawan	Multidisciplinary classification for Indonesian scientific articles abstract using pre-trained BERT model	International Journal of Advances in Intelligent Informatics (Q3, Scopus-indexed)	2023
Antonius Angga Kurniawan	Evaluasi Kinerja MLlib Apache Spark pada Klasifikasi Berita Palsu dalam Bahasa Indonesia	Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK)	2022
Antonius Angga Kurniawan	Implementasi Deep Learning Menggunakan Metode CNN dan LSTM untuk Menentukan Berita Palsu dalam Bahasa Indonesia	Informatika: Jurnal Elektronika dan Instrumentasi	2021
Antonius Angga Kurniawan	Design of chatbot with 3D avatar, voice interface, and facial expression	International Conference on Science in IT (ICSITECH), IEEE indexed	2015
Antonius Angga Kurniawan	Towards advanced development of cyborg intelligence	International Journal of Information and Knowledge Management (IJIKM)	2018
Tubagus Maulana Kusuma	Automated hierarchical classification of scanned documents using convolutional neural network and regular expression	International Journal of Electrical and Computer Engineering (IJECE)	2022

Name	Title	Publication	Year
Tubagus Maulana Kusuma	Design of a traceability system for a coffee supply chain based on blockchain and machine learning	Journal of Industrial Engineering and Management 17(1)	2024
Tubagus Maulana Kusuma	Functional Requirements and Traceability System Information Modeling on Java Preanger Coffee Supply Chain	Proceedings – 4th International Conference on Informatics, Multimedia, Cyber & Info System (ICIMIC)	2022
Tubagus Maulana Kusuma	Fingerprint Authenticity Classification Algorithm based on Distance of Minutiae using Convolutional Neural Network (CNN)	Incomtech / Mercu Buana Proceedings	2021
Tubagus Maulana Kusuma	Human gait feature extraction based on silhouette and center of mass	International Journal of Advanced Computer Science and Applications Vol. 10, No. 3	2019
Tubagus Maulana Kusuma	Adaptive power link adaptation on DVB-T system based on picture quality feedback (menggunakan CNN)	IJECE	2019

Name	Title	Publication	Year
Tristyanti Yusnitasari	Deep Learning Model for Real-Time Multi-Class Detection on Food Ingredients Using YOLOv4	6th Batusangkar International Conf (BIC 2021) – Prosiding (EAI)	2022
Tristyanti Yusnitasari	Implementation of Convolutional Neural Network Method for Classification of Baum Test	5th Intl Conf on Informatics and Computing (ICIC 2020) – Prosiding	2020
Tristyanti Yusnitasari	Food Crop Farmer Index Price Prediction using LSTM during Covid-19 Pandemic	International Research Journal of Advanced Engineering and Science (IRJAES)	2021
Tristyanti Yusnitasari	Comparison of ARIMA and SARIMA for Forecasting Crude Oil Prices	Jurnal RESTI (Rekayasa Sistem & TI) Vol 7 No 2	2023
Tristyanti Yusnitasari	Prediction analysis of food crop farmer index price during Covid-19 using ARIMA and LSTM	Academy Publisher ABAC (COVID-19 agriculture forecasting)	2021
Tristyanti Yusnitasari	Market Segmentation for Local Product Marketing Strategy Using K-Means and Dempster-Shafer Algorithm	– (kemungkinan prosiding/unpublished)	2025?

Name	Title	Publication	Year
Tri Handhika	Boruta Algorithm: An Alternative Feature Selection Method in Credit Scoring Model	AIP Conference Proceedings (Q4)	2023
Tri Handhika	Reinforcement Learning on the Credit Risk-Based Pricing	Proceedings – 2021 2nd International Conference on Computational Methods in Science and Technology	2021
Tri Handhika	Bayesian analysis in predicting the success rate of the scrum-based software development project	ICIC Express Letters (Scopus Q3)	2021
Tri Handhika	Hybrid expert-traveler preferences-based analytic hierarchy process for optimal customized itinerary	ICIC Express Letters (Scopus Q3)	2021
Tri Handhika	Exhaustive Search for Weighted Ensemble Classifiers to Improve Performance on Imbalanced Dataset	Lecture Notes on Data Engineering and Communications Technologies (Q3 book series)	2022
Tri Handhika	An automated credit intelligence learning system	International Journal of Electronic Finance (Q4)	2022

Name	Title	Publication	Year
Tri Handhika	Integrated Implementation of Fuzzy Logic and Dijkstra's Algorithm in Travel Routes Planning	AIP Conference Proceedings (Q4)	2023
Tri Handhika	Optimizing Profitable Tour Problems with Priority Prizes (PTPPP) Using Mixed Integer Programming + PuLP	AIP Conference Proceedings (Q4)	2023
Astie Darmayantie	Terrorism Domain Corpus Building Using Latent Dirichlet Allocation (LDA) and Its Ontology Relationship Building Using GSHL	2017 11th Intl. Conf. on Information & Communication Technology & System (ICTS)	2017
Astie Darmayantie	Implementation of Naïve Bayes Method for Product Purchasing Decision Using Neural Impulse Actuator in Neuromarketing	2015 Intl. Conf. on ICT & Systems (IEEE ICTS)	2015
Astie Darmayantie	Requirement Engineering Strategy for Multinational OEM Partnership	Conference article (2014) – non-AI focus but foundational for socio-technical systems	2014

Name	Title	Publication	Year
Astie Darmayantie	Socio-Technical Perspective for Better Design Thinking Process … Using Light-Weight Why Because Analysis (LWBA)	International Journal of Scientific & Research Publications (IJSRP) Vol 10 No 7	2020
Astie Darmayantie	Implementation and Comparative Analysis of Test Automation Framework … using DIA Method	Widya Teknik Vol 22 No 1	2023
Achmad Benny Mutiara	Artificial Intelligence Model for Detecting Tax Evasion Involving Complex Network Schemes	APTISI Transactions on Technopreneurship (ATT)	2024
Achmad Benny Mutiara	Convolutional Neural Network (CNN) Deep Learning Model for Recognition of 3 Regional Dialect Accents	ICIC Express Letters (Scopus Q4)	2025
Achmad Benny Mutiara	Generating Image Captions in Indonesian Using a Deep Learning Approach Based on forformer and IndoBERT Architectures	Journal of Applied Data Sciences (Scopus Q2)	2025

Name	Title	Publication	Year
Achmad Benny Mutiara	Enhancing Sharia Stock Price Forecasting using a Hybrid ARIMA-LSTM with Locally Weighted Regression Approach	Journal of Applied Data Sciences (Scopus Q2)	2025
Achmad Benny Mutiara	Musical Genre Classification Using SVM and Audio Features	TELKOMNIKA – Telecommunication, Computing, Electronics and Control (Vol 14 No 3)	2016
Achmad Benny Mutiara	An Executive's Guide to Artificial Intelligence	Conference "Sentik" (Jakarta, 2018)	2018
Avinanta Tarigan	UGLEO: A Web-Based Intelligence Chatbot for Student Admission Portal Using MegaHal Style	Jurnal Ilmiah Informatika Komputer Vol 23 No 3	2018
Avinanta Tarigan	Determination of SVM-RBF Kernel Space Parameter to Optimize Accuracy of Indonesian Batik Image Classification	Conference/journal paper on SVM–RBF parameter tuning	2017
Avinanta Tarigan	Data Governance in Blockchain-Based Systems for Internship Grade Conversion	APTISI Transactions on Technopreneurship Vol 6 No 3 (Scopus Q1)	2024

Name	Title	Publication	Year
Sigit Widyanto	Monitoring the Growth of Tomatoes in Real Time with Deep Learning-based Image Segmentation	International Journal of Advanced Computer Science and Applications (IJACSA)	2021
Sigit Widyanto	Image-Based Tomato Maturity Classification and Detection Using Faster R-CNN	ISMSIT 2021 – 5th International Symposium on Multidisciplinary Studies & Innovative Technologies (Proceedings)	2021
Sigit Widyanto	Comparison of Deep Learning-Based Object Classification Methods for Detecting Tomato Ripeness	International Journal of Fuzzy Logic and Intelligent Systems (IjFLIS, Scopus Q1)	2022
Sigit Widyanto	Implementation of Convolutional Neural Network Method for Classification of Diseases in Tomato Leaves	4th International Conference on Informatics and Computing (ICIC 2019) (Conference Proceedings)	2019
Rodiah	Perbandingan Metode Recurrent Neural Network (RNN) dengan Linear Regression untuk Prediksi Saham Netflix	Artikel ilmiah (judul/metode ML)	2024

Name	Title	Publication	Year
Rodiah	Identifikasi Fitur Suara Menggunakan Model Convolutional Neural Network (CNN) pada Speech-to-Text (STT)	Artikel ilmiah (judul/metode CNN)	2024
Rodiah	Klasifikasi Penyakit Paru: Covid-19, Lung Opacity dan Viral Pneumonia Menggunakan EfficientNetV2 (CNN)	Bab buku atau artikel full-text (judul/metode EfficientNetV2)	2024
Rodiah	Biometric System for Person Authentication Using Retinal Vascular Branching Pattern	Artikel ilmiah (metode biometric imaging algorithm)	2023
Rodiah	Pembentukan Model RNN & Connectionist Temporal Classification untuk Pengenalan Kata Tulisan Tangan Offline	Artikel ilmiah (metode RNN + CTC untuk handwriting recognition)	2023
Rodiah	Model Random Forest Regression untuk Peramalan Penyebaran Covid-19 di Indonesia	Artikel ilmiah (metode Random Forest Regression)	2022
Rodiah	Implementation of the Prophet Model in COVID-19 Cases Forecast	Artikel ilmiah (metode Prophet time-series forecasting)	2022

Name	Title	Publication	Year
Sarifuddin Madenda	Build Auto Annotate Oil Palm Image Datasets Using Template Matching & BIRCH Clustering	Kudang Boro Seminar (koleksi prosiding UG)	2023
Sarifuddin Madenda	Polynomial Regression Model Utilization to Determine Potential Refuse-Derived Fuel (RDF) Calories	Artikel publik	2023
Sarifuddin Madenda	Terrorism Domain Corpus Building Using LDA + Ontology via GSHL	2017 Intl. Conf. on ICTS (IEEE)	2017
Sarifuddin Madenda	Fish Freshness Identification Based on Gill Color Features Using Neural Network	Artikel ilmiah	2022
Sarifuddin Madenda	Fingerprint Authenticity Classification Based on CNN	Artikel ilmiah	2021
Sarifuddin Madenda	Detection of Fingerprint Authenticity Based on Deep Learning Using Image Pixel Value	Conference Paper 2020	2020
Fitrianingsih	The Implementation of Artificial Neural Network (ANN) on Offline Cursive Handwriting Image Recognition	ILKOM Jurnal Ilmiah, Vol 14 No 1 (Accreditation-2)	2022

Name	Title	Publication	Year
Fitrianingsih	Web-Based Fuzzy Expert System for Lung Cancer Diagnosis	Konferensi / Jurnal Internal (Fuzzy Expert System mention, AI domain)	2017
Ahmad Sabri	Exhaustive Search for Weighted Ensemble Classifiers to Improve Performance on Imbalanced Dataset	Chapter in Artificial Intelligence in Data and Big Data Processing (Springer LNDECT Q3)	2022
Ahmad Sabri	Reinforcement Learning on the Credit Risk-Based Pricing	International Conference on Artificial Intelligence & Big Data in Digital Economy, AIP Conf. Proc.	2021
Ahmad Sabri	An Optimization Model for Network-based Mobile Positioning	15th International Conference on Advanced Computing & Communications (ICACC) (Conference Proceeding)	2021
Ahmad Sabri	Comparison of Dynamic Weighted Centroid and Optimization Model to Predict Mobile Device Location	8th International Conference on Informatics and Computing (ICIC 2023)	2023

Name	Title	Publication	Year
Rifki Kosasih	Classification of six banana ripeness levels based on statistical features and machine learning	International Journal of Advanced Applied Sciences (Measurement Confederation)	2023
Rifki Kosasih	Implementation of K-Nearest Neighbor in Detecting Heart Disease with Various Training Data	Journal Article	2023
Rifki Kosasih	Mobile Device Positioning by Using Dynamic Weighted Centroid Model	Conference Paper (ICIC 2022–2023)	2023
Rifki Kosasih	Face Recognition Using Isomap, KNN and Naïve Bayes Classifier	Journal Article	2023
Rifki Kosasih	Fire detection system on surveillance videos using Faster R-CNN	Conference Paper	2023
Rifki Kosasih	Travel Time Estimation Using Support Vector Regression on Model with 8 Features	Journal Article	2022
Rifki Kosasih	Implementation of Random Forest on Face Recognition Using Isomap Features	Journal Article	2022

Name	Title	Publication	Year
Rifki Kosasih	Comparison of two deep learning methods for detecting fire hotspots	Journal of Electrical & Computer Engineering (IJECE)	2019
Rifki Kosasih	Convolutional Neural Network for Tomato Leaf Disease Classification	ICIC 2019 Conference Proceedings	2019
Nurma Nugraha	Aplikasi Virtual Reality Taman Wisata Bawah Laut Sea World Ancol Berbasis Android	Artikel Ilmiah	2019
Nurma Nugraha	Analysis and Recognition of Curve Type as the Basis of Object Recognition in Image	Artikel Ilmiah	2016
Nurma Nugraha	Pembuatan Aplikasi Website Berbasis Pelanggan pada Toko Online menggunakan CodeIgniter	Jurnal Ilmiah Informatika Komputer, Vol 22 No 3	2017
Aini Suri Talita	Naïve Bayes Classifier and Particle Swarm Optimization Feature Selection Method for Classifying Intrusion Detection System Dataset	Journal of Physics: Conference Series (ICPS)	2021

Name	Title	Publication	Year
Aini Suri Talita	Fuzzy Kernel C-Means Algorithm for Intrusion Detection Systems	Journal of Theoretical and Applied Information Technology & AIP Conference	2015, 2017, 2018
Aini Suri Talita	Implementasi algoritma Long Short-Term Memory (LSTM) untuk mendeteksi ujaran kebencian (hate speech) pada pilpres 2019	MATRIK: Jurnal Manajemen, Teknik Informatika & Rekayasa Komputer, Vol 19 No 1	2019
Aini Suri Talita	An Improved Calibration Technique for Polarization Images	IEEE Access (Q1 journal)	2019
Aini Suri Talita	Intrusion Detection Systems Data Classification by Possibilistic C-Means Method	ResearchGate article (2019)	2019
Aini Suri Talita	Analisis Usability Aplikasi Sambara dengan metode System Usability Scale dan Use Questionnaire	Jatisi Vol 10 No 2 (SINTA-2)	2023
Ilmiyati Sari	Predicting levels of legal case difficulties using machine learning (Random Forest & SVM)	IAES International Journal of Artificial Intelligence (IJAI), Vol 13 No 4	2024

Name	Title	Publication	Year
Ilmiyati Sari	Clustering and Topic Modeling of Verdicts of Narcotics Cases Using Machine Learning	Journal of Advanced Computational Intelligence and Intelligent Informatics, Vol 27 No 6	2023
Ilmiyati Sari	Fire detection system on surveillance videos using Faster R-CNN for high buildings evacuation	AIP Conference Proceedings	2023
Ilmiyati Sari	Prediction types of legal cases in Indonesia using TF-IDF and K-Nearest Neighbors algorithm	AIP Conference Proceedings	2023
Ilmiyati Sari	Implementation of Machine Learning in Predicting Length of Punishment at Bandung Court	ICSINTE Conference Proceedings (2022)	2022
Ilmiyati Sari	Indonesian Sign Language (BISINDO) Recognition Using Accurate & Fast Dynamic Time Warping (AF-DTW) model	International Journal of Machine Learning and Computing Vol 10 No 2 (IJMLC)	2020

Name	Title	Publication	Year
Ernastuti Ernastuti	Analysis of Deauthentication Attack on IEEE 802.11 Connectivity Based on IoT Using External Penetration Test	COMMIT Journal, Vol 14 No 1	2020
Ernastuti Ernastuti	Penerapan Teknologi AI untuk Mendeteksi Kantuk Menggunakan OpenCV	Skripsi Universitas Gunadarma (deteksi kantuk real-time)	2024
Ernastuti Ernastuti	Ontology Guided Image Understanding: A Preliminary Study	Conference paper awal terkait AI & Computer Vision, menyebut ontology & big data	2017
Dewi Putrie Lestari	Comparison of two deep learning methods for detecting fire hotspots	International Journal of Electrical & Computer Engineering (IJECE) Vol 12 No 3	2022
Dewi Putrie Lestari	Gesture recognition for Indonesian Sign Language (BISINDO) using Accurate & Fast Dynamic Time Warping	International Journal of Machine Learning and Computing (IJMLC) Vol 10 No 2	2020

Name	Title	Publication	Year
Dewi Putrie Lestari	Comparison of three segmentation methods for breast ultrasound images based on level set & morphological operations	International Journal of Electrical & Computer Engineering (IJECE) Vol 7 No 1	2017
Ias Sri Wahyuni	Fusion Multi-Focus Images with Neighbor Local Distance	International Conference on Machine Learning Techniques and NLP (MLNLP 2020), CS & IT Proc.	2020
Ias Sri Wahyuni	Local Distance and Dempster-Shafer for Multi-Focus Image Fusion	Signal & Image Processing: An International Journal (SIPIJ) Vol 13 No 1	2022
Ias Sri Wahyuni	Wavelet Decomposition and Alpha-Stable Fusion (statistical image fusion)	Conference Proceedings CS & IT Vol 9 No 16	2017
Ias Sri Wahyuni	Network Anomaly Detection Based on Late Fusion of Several Machine Learning Algorithms	Conference Proceedings CS & IT Vol 11	–
Desti Riminarsih	Effective Feature Selection Methods for Vaginal Birth After Cesarean Data	Conference Paper (konferensi medis/data science)	2025

Name	Title	Publication	Year
Desti Riminarsih	Implementation of Support Vector Regression for Predicting Lawyer Charges Using Cloud Computing	ICONESTH 2023 (International Conference on Education, Science, Technology)	2023
Desti Riminarsih	Background Estimation Using Principal Component Analysis with Limited Memory Block Krylov Optimization	IJECE Vol 8 No 5 (2018)	2018
Desti Riminarsih	Wall Shear Stress Calculation Based on MRI Image in Abdominal Aortic Aneurysm Patients	Prosiding ICIC 2016	2016
Iffatul Mardhiyah	Blighted Ovum Detection Using Deep Convolution Neural Network Method	Symposium on Biomathematics (SYMOMATH 2018) – AIP Conference Proceedings	2019
Iffatul Mardhiyah	Travel Time Estimation Using Support Vector Regression on Model with 8 Features	Scientific Journal of Informatics, Vol 9 No 2	2022
Mohammad Iqbal	Applying Deep Learning and Convolutional Neural Network to Identify Historic Building “Little China”	ISVS e-journal	2023

Name	Title	Publication	Year
Mohammad Iqbal	Comparative Analysis of Deep Learning Models for Vehicle Detection (Faster R-CNN, SSD, YOLOv3)	Journal of Systems Engineering and Information Technology (JOSEIT) Vol 1 No 1	2022
Mohammad Iqbal	Driving Simulator Software for Evaluation of Safe Driving	Proceedings – 5th Intl Conf on Informatics and Computing (ICIC)	2020
Mohammad Iqbal	Developing PC-Based Driving Simulator System for Driver Behavior Analysis Research	Journal of Physics: Conference Series (ICIC 2020 proceedings)	2020
Mohammad Iqbal	Pixel-Based Algorithm in Brain Tumor Classification (Measuring Area)	Journal of Theoretical and Applied Information Technology (Q4)	2024
Nur Sultan Salahuddin	Development of a Robotic System for Agricultural Pest Detection: A Case Study on Chili Plants	Advance Sustainable Science, Engineering and Technology (ASSET) Vol 7 No 1	2025
Nur Sultan Salahuddin	Leaf Disease Detection Web Design using Django Framework for CNN Models	International Research Journal of Advanced Engineering and Science (IRJAES) Vol 8 No 3	2023

Name	Title	Publication	Year
Nur Sultan Salahuddin	Smart Aquaponic with Monitoring and Control System Based on IoT	Proceedings – 2017 Second International Conference on Informatics and Computing (ICIC)	2017
Nur Sultan Salahuddin	Prototype of Baby Incubator Security System via Face Recognition using Raspberry Pi and OpenCV	Techno.Com, Vol 21 No 3	2022
Nur Sultan Salahuddin	Prototype of Automatic Micro-Climatic Greenhouse Monitoring & Control System using IoT Platform Blynk	Techno.Com, Vol 21 No 1	2022
Dyah Anggraini	Analysis and Classification of Customer Churn Using Machine Learning Models	Jurnal RESTI (Rekayasa Sistem & Teknologi Informasi)	2023
Koko Bachrudin	Classification of meat using the convolutional neural network	IAES International Journal of Artificial Intelligence (IJAI) Vol 12 No 4	2023
Koko Bachrudin et al.	A Survey of Interdependency Analysis for Critical Information Infrastructure	ICIC 2023 – International Conference on Informatics & Computing (prog. book)	2023

Name	Title	Publication	Year
Ruddy J. Suhatril	Evaluation of Machine Learning Models for Predicting Cardiovascular Disease Based on Framingham Heart Study Data	ILKOM Jurnal Ilmiah, Vol 16 No 1	2024
Ruddy J. Suhatril	Hypertension Prediction Using Machine Learning Algorithm Among Indonesian Adults	IAES International Journal of Artificial Intelligence (IJAI), Vol 12 No 2	2023
Ruddy J. Suhatril	Multidisciplinary classification for Indonesian scientific articles abstract using pre-trained BERT model (co-author)	ResearchGate	2023
Ruddy J. Suhatril	Enkripsi citra digital menggunakan … Transposisi Cat Map & Substitusi Logistic Map (Cryptography) (co-author)	Article in ResearchGate	2023
Dina Anggraini	Face Recognition untuk Akses Pegawai Bank Menggunakan Deep Learning dengan Metode CNN	Artikel Ilmiah (ILKOM atau prosiding internal)	2020

Name	Title	Publication	Year
Dina Anggraini	Indonesian Music Classification on Folk and Dangdut Genre Based on Rolloff Spectral Feature Using SVM	International Journal of Computer and System Sciences (?)	2021
Dina Anggraini	Performance Analysis of Six Chaos Cryptographic Algorithms for Image Encryption	Artikel Ilmiah (crypto-algorithm benchmarking including ML insights)	2023
Dina Anggraini	Pembuatan Aplikasi Chatbot Kolektor dengan Metode Extreme Programming dan Forward Chaining Strategy	Artikel Ilmiah (Chatbot AI, prosiding internal)	2021
Dina Anggraini	Identify Reviews of PeduliLindungi Application Using Topic Modeling with Latent Dirichlet Allocation	Artikel Ilmiah (Topic modeling COVID-19 app)	2023