

JUITA

Jurnal Informatika

Vol. 12 No. 1, mei 2024

PREFACE

Assalaamu'alaikum Wr. Wb.

Thanks to Allah, JUITA Volume 12 Number 1, the first issue of 2024, has been made available to scholars, practitioners, and students alike. This issue contains research articles on revolutionary algorithms, classification, clustering, information security, machine learning, and natural language processing. We are grateful to everyone who contributed, especially the authors, the editorial board and reviewers, and the technical editor team, for taking the time to prepare the work for our publication.

As stated in the previous issue, JUITA is published twice a year, in May and November. JUITA's manuscript employs the IMRAD model. Beginning with Volume 9, JUITA's manuscript is written in English. JUITA follows the IEEE standard, which includes font size and style modifications, to assure continuity and editorial quality. Similarly, cite and reference in IEEE format. We sincerely hope that readers' comments and recommendations will result in improvements to the quality of this journal.

Wassalaamu'alaikum Wr. Wb.

Editor in Chief.

TABLE OF CONTENT

i.	Cover	
ii.	Editor Preface	
iii.	Table of Content	
	Improve Coal Blending Optimization in CFPP by Cromosom and Fitness Function Redefinition of the Genetic Algorithm <i>Binti Solihah, Ahmad Zuhdi, Abdul Rochman, Edo Yulistama, Hilda Dwi Utari</i>	1
	Improving Stroke Detection with Hybrid Sampling and Cascade Generalization <i>Widya Putri Nurmawati, Indahwati Indahwati, Farit Mochamad Afendi</i>	9
	Implementation of Live Forensic Method on Fusion Hard Disk Drive (HDD) and Solid State Drive (SSD) RAID 0 Configuration TRIM Features <i>Desti Mualfah, Rizdqi Akbar Ramadhan, Muhammad Arrafi Arrasyid</i>	19
	Non-linear Kernel Optimisation of Support Vector Machine Algorithm for Online Marketplace Sentiment Analysis <i>Abdul Fadlil, Imam Riadi, Fiki Andrianto</i>	29
	Number of Cyber Attacks Predicted With Deep Learning Based LSTM Model <i>Joko Siswanto, Irwan Sembiring, Adi Setiawan, Iwan Setyawan</i>	39
	Implementation of Backpropagation Neural Network for Prediction Magnetocaloric Effect of Manganite <i>Jan Setiawan, Silviana Simbolon, Yunasfi Yunasfi</i>	49
	Comparative Analysis of CNN Architectures for SIBI Image Classification <i>Yulrio Brianorman, Dewi Utami</i>	61
	Optimization of Hyperparameter K in K-Nearest Neighbor Using Particle Swarm Optimization <i>Muhammad Rizki, Arief Hermawan, Donny Avianto</i>	71
	Enhancing Durrotalk Chatbot Accuracy Utilizing a Hybrid Model Based on Recurrent Neural Network (RNN) Algorithm and Decision Tree <i>Dede Rizki Darmawan, Riza Arifudin</i>	81
	Enhancing Information Technology Adoption Potential in MSMEs: a Conceptual Model Based on TOE Framework <i>Ainayah Syifa Hendri, Endah Sudarmilah</i>	91
	Face Gender Classification using Combination of LPQ-Self PCA <i>Tio Dharmawan, Danu Adi Nugroho, Muhammad Arief Hidayat</i>	101
	Image Classification of Room Tidiness Using VGGNet with Data Augmentation <i>Leni Fitriani, Ayu Latifah, Moch. Rizky Cahyadiputra</i>	111
	Comparative Study of Predictive Classification Models on Data with Severely Imbalanced Predictors <i>Embay Rohaeti, Ani Andriyati</i>	121
	BCBimax Biclustering Algorithm with Mixed-Type Data <i>Hanifa Izzati, Indahwati Indahwati, Anik Djuraidah</i>	131