



# ICITRI 2024

INTERNATIONAL CONFERENCE ON INFORMATION  
TECHNOLOGY RESEARCH AND INNOVATION

ISBN: 979-8-3503-7621-0 IEEE Catalog Number: CFP24CN2-ART



## PROGRAM BOOK

### 2024 International Conference On Information Technology Research and Innovation

#### TOPIC

**FORGING PATHWAYS: LEVERAGING EMERGING  
TECHNOLOGIES FOR GLOBAL ECONOMIC  
RESILIENCE AND INCLUSIVE DIGITAL  
BUSINESS GROWTH**

#### Welcoming Speech



Prof. Dr. Ir. Dwica Rizka,  
S.Si, M.M, M.Kom, I.Pd, ASEAN Eng.  
Rector of Universitas Nusa Mandiri



Prof. Ir. Gamsanhyo  
Hendicantoro, M.Eng., Ph.D  
Chair of the IEEE Indonesia Section

#### Invited Speaker



Prof. Dr. Anna Fensel  
Wageningen UR



Associate Professor Dr.  
Dr. Ferdin Ermanan, S.Kom, M.Co.  
Associate Professor at Faculty of Engineering College  
of Computing and Applied Science, Universitas Nusa Mandiri

HYBRID CONFERENCE, 5-6 SEPT 2024

Universitas Nusa Mandiri  
Jakarta, Indonesia

Sponsored by

Organized by

Jointly Organized By



## MESSAGE FROM RECTOR UNIVERSITAS NUSA MANDIRI

*Assalamualaikum Warahmatullahi Wabarakatuh*



Good morning, and warm greetings to all of us,

Distinguished guests, esteemed speakers, and all participants of the International Conference on Information Technology Research and Innovation (ICITRI) 2024,

First and foremost, let us express our gratitude to God Almighty for His blessings and grace, allowing us to gather here today for this important event. I would like to extend a warm welcome to all participants and guests to Universitas Nusa Mandiri for ICITRI 2024.

Allow me to deliver my warmest greetings to the distinguished Keynote Speakers:

1. Prof. Dr. Anna Fense, from Wageningen University, Netherlands
2. Associate Professor Ts. Dr. Ferda Ernawan, from Universiti Malaysia Pahang Al-Sultan Abdullah

This conference embodies the commitment of Universitas Nusa Mandiri to actively contribute to the advancement of science and technology, particularly in the field of information technology. This year, with the theme "Forging Pathways: Leveraging Emerging Technologies for Global Economic Resilience and Inclusive Digital Business Growth," we will explore various innovations and the latest research that are expected to make significant contributions to society, industry, and academia.

ICITRI 2024 is also an important platform for strengthening collaboration between academics, researchers, and practitioners in the field of information technology from around the world. I hope this conference serves as a valuable opportunity for all of us to exchange ideas, share knowledge, and forge stronger partnerships for our collective progress.

Furthermore, I would like to express my sincere gratitude to our keynote speakers, Prof. Dr. Anna Fense and Associate Professor Ts. Dr. Ferda Ernawan for their invaluable contributions to this conference. Your expertise and insights are crucial in enriching our discussions and advancing our understanding in the field of information technology. We are honoured to have you with us and deeply appreciate your willingness to share your knowledge and experiences.

I would also like to extend my deepest appreciation to the organizing committee, sponsors, and all parties who have worked tirelessly to prepare this event, ensuring its successful execution.

In conclusion, I hope all participants make the most of this opportunity, gain new insights, and expand their networks and international collaborations. May ICITRI 2024 proceed smoothly and bring many benefits to all of us.

Wassalamualaikum warahmatullahi wabarakatuh.

Prof. Dr. Ir Dwiza Riana, S.Si., M.M., M.Kom, IPU, ASEAN Eng.

## MESSAGE FROM GENERAL CHAIR

Good Morning,



I would like to extend a warm welcome to all the invited speakers, distinguished guests, and members of the committee of the "2024 International Conference on Information Technology Research and Innovation (ICITRI 2024)."

First and foremost, I would like to welcome all the participants of ICITRI 2024, held at Universitas Nusa Mandiri. The theme of this conference, "Forging Pathways: Leveraging Emerging Technologies for Global Economic Resilience and Inclusive Digital Business Growth," aligns with this goal. This conference offers possibilities and motivation to delve deeper into the fields of Informatics, Image Processing and Computer Vision, and

Software Engineering.

Two invited speakers from prominent scholars in the region will be presenting at ICITRI 2024. Additionally, 163 papers from 14 countries were reviewed, and 67 papers from 8 countries were eventually accepted. Moreover, reviewers from 11 countries contributed significantly to the success of this conference by working hard to evaluate the 163 submitted papers.

I would like to express my sincere appreciation to the invited speakers for their presence at this conference and their efforts. Congratulations are also extended to the program committee members for their hard work in ensuring the success of this conference. I sincerely hope that the presentations by the invited speakers and the papers presented at this joint conference will be beneficial and enlightening to all participants and attendees, and I wish for this meeting to be an outstanding success.

Finally, please take full advantage of this exceptional opportunity to expand your network and discuss your important research work. On behalf of Universitas Nusa Mandiri, I would like to extend our deepest gratitude to the entire ICITRI 2024 committee for their efforts in making this event a success. In particular, we would also like to thank all our sponsors and partners for their collaboration and support.

Thank you.

Sincerely,

Dr. Tr. Lindung Parningotan Manik, MTI

## TABLE OF CONTENTS

Program Book Cover .....	1
Welcome Message From Rector Universitas Nusa Mandiri .....	2
Welcome Message From General Chair ICITRI 2024.....	3
Table of Contents .....	4
Conference Information .....	5
Committees .....	6
Scope of the Conference.....	11
Venue Map.....	12
Program Schedule & Parallel Session Schedule .....	13

## CONFERENCE INFORMATION

<b>Dates</b>	September 5-6, 2024
<b>Organizer</b>	Universitas Nusa Mandiri
<b>Venue</b>	Hybrid Conference
<b>Official Language</b>	English
<b>Secretariat</b>	Universitas Nusa Mandiri Jl. Raya Jatiwaringin No.2, RW.13, Cipinang Melayu, Kec. Makasar, Jakarta Timur, Jakarta 13620 Indonesia
<b>E-mail</b>	icitri@nusamandiri.ac.id
<b>Conference Website</b>	<a href="https://icitri.nusamandiri.ac.id/">https://icitri.nusamandiri.ac.id/</a>
<b>Sponsor</b>	IEEE Indonesia Section

## COMMITTEES

### ADVISORS:

- ✚ Dwiza Riana - Universitas Nusa Mandiri, Indonesia
- ✚ Gamantyo Hendrantoro - Institut Teknologi Sepuluh Nopember, Indonesia
- ✚ Chaeriah Bin Ali Wael - National Research and Innovation Agency of Indonesia, Indonesia

### GENERAL CHAIR:

- ✚ Lindung Parningotan Manik - Universitas Nusa Mandiri, Indonesia

### SECRETARY CHAIR:

- ✚ Arif Hidayat - Universitas Nusa Mandiri, Indonesia
- ✚ Nita Merlina - Universitas Nusa Mandiri, Indonesia

### TREASURES:

- ✚ Tati Mardiana - Universitas Nusa Mandiri, Indonesia
- ✚ Daning Nur Sulistyowati - Universitas Nusa Mandiri, Indonesia

### PUBLICATION CHAIR:

- ✚ Agus Subekti - National Research and Innovation Agency of Indonesia, Indonesia
- ✚ Andi Saryoko - Universitas Nusa Mandiri, Indonesia
- ✚ Jufriadif Na'am - Universitas Nusa Mandiri, Indonesia
- ✚ Siti Nurhasanah Nugraha - Universitas Nusa Mandiri, Indonesia

### PUBLICITY AND PROMOTION CHAIR:

- ✚ Arfhan Prasetyo - Universitas Nusa Mandiri, Indonesia
- ✚ Eni Heni Hermaliani - Universitas Nusa Mandiri Indonesia
- ✚ Faruq Aziz - Universitas Nusa Mandiri, Indonesia
- ✚ Syaifur Rahmatullah - Universitas Nusa Mandiri, Indonesia
- ✚ Yudhistira - Universitas Bina Sarana Informatika, Indonesia
- ✚ Imam Nawawi - Universitas Bina Sarana Informatika, Indonesia

### TECHNICAL PROGRAM COMMITTEE:

- ✚ Hadhrami Ab Ghani - Universiti Malaysia Kelantan, Malaysia
- ✚ Ghulam Abbas - GIK Institute of Engineering Sciences & Technology, Pakistan

- ✚ Munaisyah Abdullah - Malaysia Institute of Information Technology, Malaysia
- ✚ Zubaile Abdullah - Universiti Tun Hussein Onn Malaysia, Malaysia
- ✚ Taufik Abidin - Universitas Syiah Kuala, Indonesia
- ✚ Azlin Ahmad - Universiti Teknologi MARA, Malaysia
- ✚ Ily Amalina Ahmad Sabri - Universiti Malaysia Terengganu, Malaysia
- ✚ Ratna Aisuwarya - Universitas Andalas, Indonesia
- ✚ Zaenal Akbar - National Research and Innovation Agency, Indonesia
- ✚ Wikky Al Maki - Telkom University, Indonesia
- ✚ Hasimah Ali - University Malaysia Perlis, Malaysia
- ✚ Mila Anasanti - Imperial College London, United Kingdom (Great Britain)
- ✚ Apriandy Angdresey - De La Salle Catholic University, Indonesia
- ✚ Anton - Universitas Nusa Mandiri Indonesia, Indonesia
- ✚ Ilham Ari Elbaith Zaeni - Universitas Negeri Malang, Indonesia
- ✚ Samsul Arifin - Institut Teknologi Sains Bandung, Indonesia
- ✚ Media Ayu - Sampoerna University, Indonesia
- ✚ Ferddie Canlas - Muscat College, Oman
- ✚ Weng Howe Chan - Universiti Teknologi Malaysia, Malaysia
- ✚ Muruga Chinniah - Universiti Teknologi MARA (UiTM CJ), Malaysia
- ✚ Akhmad Dahlan - Universitas Amikom Yogyakarta, Indonesia
- ✚ Vinh Dang - Industrial University of Ho Chi Minh City, Vietnam
- ✚ Luca Davoli - University of Parma, Italy
- ✚ Arawinda Dinakaramani - University of Indonesia, Indonesia
- ✚ Esmeralda Djamal - Universitas Jenderal Achmad Yani, Indonesia
- ✚ Hanif Fakhurroja - National Research and Innovation Agency, Indonesia
- ✚ M. Febriantono - Bina Nusantara University, Indonesia
- ✚ Evita Fitri - Universitas Nusa Mandiri, Indonesia
- ✚ Frieyadie - Universiti Kuala Lumpur, Malaysia
- ✚ Windu Gata - Universitas Nusa Mandiri, Indonesia
- ✚ Sri Hadianti - Universitas Nusa Mandiri, Indonesia
- ✚ Shidiq Hakim - National Research and Innovation Agency (BRIN), Indonesia
- ✚ Muhammad Haris - Universitas Nusa Mandiri, Indonesia
- ✚ Mohd Hassan - International Islamic University Malaysia, Malaysia

- ✚ Deden Hidayat - National Research and Innovation Agency (BRIN), Indonesia
- ✚ Inne Husein - Telkom University, Indonesia
- ✚ Amir Hussin - International Islamic University Malaysia, Malaysia
- ✚ Tran Huynh - FPT University, Vietnam
- ✚ Paulus Insap Santosa - Universitas Gadjah Mada, Indonesia
- ✚ Nanang Ismail - UIN Bandung, Indonesia
- ✚ Jupriyadi - Universitas Teknokrat Indonesia, Indonesia
- ✚ Fatan Kasyidi - Universitas Jenderal Achmad Yani, Indonesia
- ✚ Feng Ke - South China University of Technology, China
- ✚ Isman Kurniawan - Telkom University, Indonesia
- ✚ Bernadetta Kwintiana - University of Stuttgart, Germany
- ✚ Dewi Liliana - State Polytechnic of Jakarta, Indonesia
- ✚ Lindung Manik - National Research and Innovation Agency, Indonesia
- ✚ Linda Marlinda - Universitas Nusa Mandiri, Indonesia
- ✚ I Made Dendi Maysanjaya - Universitas Gadjah Mada, Indonesia
- ✚ Siti Azreena Mubin - Asia Pacific University of Technology & Innovation (APU), Malaysia
- ✚ Zuriani Mustaffa - Universiti Malaysia Pahang, Malaysia
- ✚ Jufriadif Na`am - Universitas Putra Indonesia YPTK Padang, Indonesia
- ✚ Erna Nababan - Universitas Sumatera Utara, Indonesia
- ✚ Christophoros Nikou - University of Ioannina, Greece
- ✚ Hilman F. Pardede - National Research and Innovation Agency of Indonesia, Indonesia
- ✚ Esa Prakasa - National Research and Innovation Agency (BRIN), Indonesia
- ✚ Kartika Purwandari - Bina Nusantara University, Indonesia
- ✚ Zico Pratama Putra - Queen Mary University of London, United Kingdom (Great Britain)
- ✚ Aji Putrada - Telkom University, Indonesia
- ✚ Indra Raharjana - Universitas Airlangga, Indonesia
- ✚ Yudi Ramdhani - ARS University, Indonesia
- ✚ Yan Rianto - Lembaga Ilmu Pengetahuan Indonesia (LIPI), Indonesia
- ✚ Risnandar Risnandar - The IVDA-Research Group-Research Center for Information and Data Sciences-BRIN, Indonesia
- ✚ Slamet Riyanto - National Research and Innovation Agency, Indonesia
- ✚ Siti Rochimah - Institut Teknologi Sepuluh Nopember, Indonesia
- ✚ Didi Rosiyadi - National Research and Innovation Agency, Indonesia



- ✚ Rifki Sadikin - Research Center for Informatics, LIPI, Indonesia
- ✚ Rizauddin Saian - Universiti Teknologi MARA, Malaysia
- ✚ Nurul Saleh - Institute of Industrial Revolution 4.0, Malaysia
- ✚ W. S. Mada Sanjaya - UIN Sunan Gunung Djati Bandung, Indonesia
- ✚ Andi Saryoko - Universitas Nusa Mandiri, Indonesia
- ✚ Ramadhona Saville - Tokyo University of Agriculture, Japan
- ✚ Anindita Septiarini - Universitas Mulawarman, Indonesia
- ✚ Ahmad Setiadi - Universitas Bina Sarana Informatika, Indonesia
- ✚ Foni Setiawan - Universitas Ibn Khaldun, Indonesia
- ✚ Al Hafiz Akbar Maulana Siagian - National Research and Innovation Agency, Indonesia
- ✚ Lya Hulliyatus Suadaa - STIS Polytechnic of Statistics, Indonesia
- ✚ Agus Subekti - National Research and Innovation Agency (BRIN), Indonesia
- ✚ Surjandy - Bina Nusantara University, Indonesia
- ✚ Vera Suryani - Universitas Telkom, Indonesia
- ✚ Suyoto - Lembaga Ilmu Pengetahuan Indonesia, Indonesia
- ✚ Arida Syafiandini - Indonesian Institute of Sciences, Indonesia
- ✚ Rajermani Thinakaran - INTI International University, Malaysia
- ✚ Sabrina Tiun - Universiti Kebangsaan Malaysia, Malaysia
- ✚ Tony - Tarumanagara University, Indonesia
- ✚ Nur Uddin - Universitas Pembangunan Jaya, Indonesia
- ✚ Widodo Widodo - Universitas Negeri Jakarta, Indonesia
- ✚ Setyawan Widyarto - Universiti Selangor, Malaysia
- ✚ Kemas Wiharja - Telkom University, Indonesia
- ✚ Farizah Yunus - Universiti Malaysia Terengganu, Malaysia
- ✚ Zahir Zainuddin - Hasanuddin University, Indonesia

#### **EVENT MANAGEMENT COMMITTEE:**

- ✚ Achmad Baroqah Pohan - Universitas Bina Sarana Informatika, Indonesia
- ✚ Ade Kurniawan - Universitas Bina Sarana Informatika, Indonesia
- ✚ Aloysius Ranga - Universitas Bina Sarana Informatika, Indonesia
- ✚ Apri Istiarto - Universitas Bina Sarana Informatika, Indonesia
- ✚ Ary Iswanto Wibowo - Universitas Bina Sarana Informatika, Indonesia
- ✚ Bakhtiar Rifai - Universitas Nusa Mandiri, Indonesia
- ✚ Bryan Givan - Universitas Nusa Mandiri, Indonesia

- ✚ Deni Gunawan - Universitas Bina Sarana Informatika, Indonesia
- ✚ Herman Kuswanto - Universitas Nusa Mandiri, Indonesia
- ✚ Ida Zuniarti - Universitas Nusa Mandiri, Indonesia
- ✚ Instianti Elyana - Universitas Nusa Mandiri, Indonesia
- ✚ Jimmi - Universitas Bina Sarana Informatika, Indonesia
- ✚ Kudiantoro Widiyanto - Universitas Bina Sarana Informatika, Indonesia
- ✚ Lasman Effendi - Universitas Bina Sarana Informatika, Indonesia
- ✚ Lia Mazia - Universitas Nusa Mandiri, Indonesia
- ✚ Linda Marlinda - Universitas Nusa Mandiri, Indonesia
- ✚ M. Iqbal Alifudin - Universitas Nusa Mandiri, Indonesia
- ✚ Mohamad Abi - Universitas Bina Sarana Informatika, Indonesia
- ✚ Muji Ernawati - Universitas Nusa Mandiri, Indonesia
- ✚ Naufal Azhar Fadhilah - Universitas Nusa Mandiri, Indonesia
- ✚ Novita Herlizah - Universitas Nusa Mandiri, Indonesia
- ✚ Popi Ismayanti - Universitas Nusa Mandiri, Indonesia
- ✚ Ridan Nurfalah - Universitas Nusa Mandiri, Indonesia
- ✚ Robi Aziz Zuama - Universitas Bina Sarana Informatika, Indonesia
- ✚ Santoso Setiawan - Universitas Nusa Mandiri, Indonesia
- ✚ Sofian Wira Hadi - Universitas Bina Sarana Informatika, Indonesia
- ✚ Sukmawati Anggraeni Putri - Universitas Nusa Mandiri, Indonesia
- ✚ Syaifur Rahmatullah Abdul Rojak - Universitas Nusa Mandiri, Indonesia
- ✚ Taufik Rahman - Universitas Bina Sarana Informatika, Indonesia
- ✚ Unpris Yastanti - Universitas Bina Sarana Informatika, Indonesia

## SCOPE OF THE CONFERENCE

Topics of interest include, but are not restricted to:

### Informatics Track

- Artificial Intelligence and Machine Learning
- Mobile and Cloud Computing
- Data Mining
- Human-machine systems
- Cybernetics

### Image Processing and Computer Vision Track

- Image Enhancement
- Image Preprocessing, Registration & Fusion
- Image Classification, Segmentation and Pattern Recognition
- Audio and Video processing, Motion and Tracking
- Signal and speech Processing

### Software Engineering Track

- Model-Driven Software Engineering
- Requirements Engineering
- Component-Based Software Engineering
- Knowledge-Based Software Engineering
- Experimental Software Engineering
- Theoretical Foundations of Software Engineering

## VENUE MAP

UNIVERSITAS NUSA MANDIRI, INDONESIA

Jl. Raya Jatiwaringin No.2, RW.13, Cipinang Melayu, Kec. Makasar, Jakarta Timur, Jakarta 13620  
Indonesia



## PROGRAM SCHEDULE

**Day 1:**

**Thursday, September 5, 2024**

TIME (Jakarta, WIB)	EVENT DETAILS					
08:30 - 09:00	Participants virtual enter conference room					
09:00 - 09:04	Opening and Introducing ICITRI 2024					
09:04 - 09:06	Video of the Indonesian National Anthem ( <b>INDONESIA RAYA</b> )					
09:06 - 09:17	Opening Ceremony	Welcome Speech by Rector Universitas Mandiri ( <b>Prof. Dr. Ir Dwiza Riana, S.Si., M.M, M.Kom, IPU, ASEAN Eng.</b> )				
09:17 - 09:29		Welcome Speech by Chair of the IEEE Indonesia Section ( <b>Prof. Ir. Gamantyo Hendranto, M.Eng., Ph.D</b> )				
09:29 - 09:40		Welcome Speech by General Chair of ICITRI 2023 ( <b>Dr. Lindung Parningotan Manik, ST, MTL</b> )				
09:41 - 09:43	Group Photo					
09:43 - 09:58	Coffee Break & Video Presentation					
09:58 - 10:44	Invited Speaker 1: ( <b>Dr. Ferda Ernawan, S.Kom, M.Cs, P.hD</b> )					
10:45 - 11:30	Question & Answer					
11:30 - 13:00	Break Time					
13:00 -13:46	<b>Parallel Session</b>					
	Room 1	Room 2	Room 3	Room 4	Room 5 (Offline)	Room 6 (Offline)
14:46 - 15:32	Invited Speaker 2: ( <b>Prof. Dr. Anna Fensel</b> )					
15:33 - 16:03	Question & Answer					
16:03 - 16:05	Closing					

**Day 2:**

**Friday, September 6, 2024**

<b>TIME</b> <b>(Jakarta, WIB)</b>	<b>EVENT DETAILS</b>			
08:30 - 09:00	Participants virtual enter conference room			
09:00 - 09:04	Opening of ICITRI Day 2			
09:04 - 11:35	<b>Parallel Session</b>			
	Room 1	Room 2	Room 3	Room 4
11:35 - 13:35	Break Time			
13:35 - 13:40	ICITRI Speech Awarding 2024			
13:40 - 13:45	2024 IEEE Student Branch Awarding			
13:45 - 13:51	ICITRI Launching 2025			
13:51 - 13:53	Closing			

## PROGRAM SCHEDULE – Parallel Session Schedule

### Room 1 (Informatics)

#### Day 1:

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1570982305	Epileptic Seizure Prediction from EEG Signal Recording Using Energy and Dispersion Entropy with SVM Classifier
2	13.15 - 13.30	1570982451	Optimizing Intrusion Detection: Hybrid Deep Learning Techniques for Class Imbalance Correction
3	13.30 - 13.45	1570982779	Comparison of Oversampling Techniques in Prediction Judicial Decisions of Divorce Trials in Family Courts
4	13.45 - 14.00	1570984425	Leveraging XGBoost and Feature Importance for NBA Salary Classification
5	14.00 - 14.15	1570985345	Classification of Health Insurance Fraud Risk with Machine Learning
6	14.15 - 14.30	1570990179	Machine Learning for Imbalanced Data in Telecom Churn Classification
7	14.30 - 14.45	1571008440	Smart Aquaculture Vaname Shrimp LoRaWAN Based

#### Day 2:

Friday, September 6, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	09.15 - 09.30	1571011183	Bibliometric Analysis and Visualization of Machine Learning-Based Credit Card Fraud Detection
2	09.30 - 09.45	1571026781	Evolving Ethics: Adapting Principles to AI-Generated Artistic Landscapes
3	09.45 - 10.00	1571027695	Single Channel Passive Optical Network with High Data Rate for Increasing Broadband Access Capacity
4	10.00 - 10.15	1571042669	Enhancing Deepfake Detection for Public Awareness, Law Enforcement and Legal Verification
5	10.15 - 10.30	1571042956	Reconstruction and Detection of Gambling Web Defacement Attack Using Wazuh and Velociraptor
6	10.30 - 10.45	1571043097	Review of Critical Components of Data-Driven Nudge Theory on Enhancing Conversion Rates in Digital Marketing Campaigns

## Room 2 (Informatics)

### Day 1:

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1571030059	Improved Prediction of Global Temperature via LSTM Using ReLU Activation and Hyperparameter Optimization
2	13.15 - 13.30	1571030145	Diagnostic Analysis of Diseases with Key Symptoms of Bad Breath: Integration of Naïve Bayes for Early Detection
3	13.30 - 13.45	1571030163	LSTM for Web Visit Forecasting with Genetic Algorithm and Predictive Bandwidth Allocation
4	13.45 - 14.00	1571030378	Indonesian Lexical Ambiguity in Machine Translation: A Literature Review
5	14.00 - 14.15	1571031882	Investigating ChatGPT on Reddit by Using Lexicon-Based Sentiment Analysis
6	14.15 - 14.30	1571032020	Classification of Eye Diseases in Humans Using Vision Transformer Architecture Model
7	14.30 - 14.45	1571032196	An Explainable Machine Learning-Based Phishing Website Detection Using Gradient Boosting

### Day 2:

Friday, September 6, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	09.15 - 09.30	1571032322	Dangerous Speech in Indonesian Twitter Posts: A Literature Review
2	09.30 - 09.45	1571035700	Enhancing Indonesian Abusive Language Detection on Imbalanced News Comment Dataset Using Support Vector Machine with Oversampling
3	09.45 - 10.00	1571035797	Forecasting Volatile Fresh Chili Prices in Indonesia Using Support Vector Regression
4	10.00 - 10.15	1571035801	Real Running Time Analysis of Multi Prime RSA Algorithm and XRSA in Securing Digital Messages
5	10.15 - 10.30	1571035812	Prediction of Egg Price in Traditional Markets Using Deep Learning
6	10.30 - 10.45	1571035873	Transforming E-Commerce: AI Chatbots for Supercharged Customer Experiences



### Room 3 (Informatics , Software Engineering)

#### Day 1:

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1571035952	A Conceptual Model for Diploma Verification in Education: Leveraging NFTs and Dynamic Smart Contracts
2	13.15 - 13.30	1571035961	Predictive Analysis of Toddler Nutrition Using C5.0 Decision Tree Method
3	13.30 - 13.45	1571037929	Implementation of PC Algorithm to the Incidence Factor of Stunting Disease
4	13.45 - 14.00	1571038072	Rule-Based NER for Crime Information Extraction Through Online News Site
5	14.00 - 14.15	1571041639	Analysis Essential Influence Factors on the Intention to Use Cryptocurrency in Indonesia
6	14.15 - 14.30	1571041835	Deep Learning for Intelligent Customer Service Automation: Development of GRU, LSTM, and Recurrent Neural Network Architectures for Chatbot Applications
7	14.30 - 14.45	1571042537	Determining Bundling Packages and Promos Using FP-Growth Based on Customer Behavior

#### Day 2:

Friday, September 6, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	09.15 - 09.30	1571039198	From Traditional to Innovation: Large Language Models in Fisheries Data Extraction
2	09.30 - 09.45	1571001329	Feature Learning Using Deep Variational Autoencoder for Prediction of Defect in Car Engine
3	09.45 - 10.00	1571033958	Application of Machine Learning Techniques in Identification of Fungal Species: A Literature Review
4	10.00 - 10.15	1570981662	Reusable Components as Base Project for Standardizing Software Quality
5	10.15 - 10.30	1571027910	A Systematic Literature Review on Requirement Validation of Agile Requirement Engineering
6	10.30 - 10.45	1571029347	The Impact of Social Media in Marketing on Brand Awareness and Customer Trust in Increasing Purchase Intention
7	10.45 - 11.00	1571035870	Enhancing Environmental Data Management Through Dynamic Smart Contract Interaction on Blockchain

## Room 4 (Image Processing)

### Day 1:

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1571012161	Implementation of EfficientNet-B0 Architecture in Malaria Detection System Based on Patient Red Blood Cell (RBC) Images
2	13.15 - 13.30	1571015844	A Multi-Modal Deep Learning Approach for Enhanced Optical Illusion Recognition
3	13.30 - 13.45	1571030394	Fuzzy Logic and Attention Gate for Improved U-Net with Genetic Algorithm for DFU Image Segmentation
4	13.45 - 14.00	1571031644	A Two-Color Space Input Parallel CNN Model for Food Image Classification
5	14.00 - 14.15	1571031902	Enhancing Succulent Plant Species Classification: A MobileNetV3-Large Approach
6	14.15 - 14.30	1571031979	Auto Local Threshold Analysis of Prehistoric Cave Art in Leang-Leang Archaeological Park, South Sulawesi, Indonesia
7	14.30 - 14.45	1571032461	Local Binary Pattern (LBP) Extraction for Coffee Classification Using Modular Neural Networks (MNN)

### Day 2:

Friday, September 6, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	09.15 - 09.30	1571038135	Improved Medicinal Plant Leaf Classification Using Transfer Learning and Model Averaging Ensemble of Deep Convolutional Neural Networks
2	09.30 - 09.45	1571041207	Enhancing Cabbage Plant Protection: CNN Algorithm for Insect Identification
3	09.45 - 10.00	1571041295	Enhancement of Underwater Images Using DCP and CycleGAN
4	10.00 - 10.15	1571035968	Enhancing Rice Disease Detection With K-Means Segmentation and Comparison of EfficientNetB0, ResNet50, and Xception
5	10.15 - 10.30	1571042442	Detection and Classification Disease Citrus Nobilis Lour Using Convolutional Neural Network Method
6	10.30 - 10.45	1571042884	Encrypting Messages on Digital Images Using Bit-Plane Complexity Segmentation Method and Alpha-Qwerty Reverse Algorithm
7	10.45 - 11.00	1571042745	Performance Evaluation of ResNet50 in Skin Cancer Image Classification with Various Optimizers

## Room 5 (Offline - Informatics , Image Processing)

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1571002395	Identification of Aedes Mosquitoes with Audio Data Using Gammatone Filter
2	13.15 - 13.30	1571002471	Attentive Convolutional Neural Network for Sentiment Analysis on ChatGPT
3	13.30 - 13.45	1571031869	Combining Remote Sensing Dataset, Machine Learning, and Explainable AI for Detailed Human Development Index Monitoring in East Java, Indonesia
4	13.45 - 14.00	1571035817	Digital Ecosystem Transformation: Building an Integrated Jakarta Museum Tourism
5	14.00 - 14.15	1571035911	Revitalization of Jakarta SMEs Through Digital Transformation: Inventory Prediction With K-NN Algorithm in SmartOkianStock Application
6	14.15 - 14.30	1571031912	Combination of Feature Extraction Methods for Identification of Diseases in Corn Leaves

## Room 6 (Offline - Image Processing, Software Engineering)

Thursday, September 5, 2024

No	Times (Jakarta, WIB)	Paper ID	Title
1	13.00 - 13.15	1571035811	Comparative Analysis of Fingerprint Authentication Using the Convolutional Neural Network (CNN) Method for Two Datasets
2	13.15 - 13.30	1571031504	Optimization of Fetal Development Measurement on Ultrasound Images Using Segmentation Techniques Combined
3	13.30 - 13.45	1571035804	Image Enhancement with DBPN for Plant Pest Classification
4	13.45 - 14.00	1571034464	Segmentation of Libraries, CMS, and PHP Frameworks Based on Code Characteristics: Implementation of Clustering Using K-Means
5	14.00 - 14.15	1571035677	Improving Software Defect Prediction Performance Through Effective Forward Selection Method with Linear Regression for Handling Class Imbalance
6	14.15 - 14.30	1571036000	Estimating Software Vulnerabilities from Git Project Open Source: A Machine Learning Approach
7	14.30 - 14.45	1571037575	An Empirical Study of Unanswered Python-Related Questions on Stack Overflow