

Curriculum Vitae

A. Lecturer Identity

1	Full Name	Dr. Ario Yudo Husodo, S.T., M.T.
2	Position	Assistant Professor (Secretary of Informatics Engineering Department)
3	Employee ID	19901218 201212 1 002
4	Lecturer ID	0018129001
5	Place and Date of birth	Mataram, December 18 th 1990
6	E-mail	ario@unram.ac.id
7	Cellphone	081803742769
8	Contact Address	Jl. Majapahit No. 62, Mataram, NTB
10	Working Unit	Informatics Engineering, Faculty of Engineering, University of Mataram
11	Teaching Courses	1. Algorithm and Programming 2. Artificial Intelligence 3. Database System 4. Discrete Mathematic 5. Interpersonal Skill 6. Simulation and Modeling 7. Technopreneurship
12	Scopus ID	53263950600, h-index= 4;
13	Research Gate	https://www.researchgate.net/profile/Ario-Husodo , h-index 5
14	Google Scholar ID	https://scholar.google.co.id/citations?user=jNUkwhcAAAAJ&hl=en , h-index= 7;
15	Sinta ID	6163391, Score 554 https://sinta.kemdikbud.go.id/authors/profile/6163391

B. Educational background

Educational	University	Duration	Field of Study	GPA
Doctorate	Universitas Indonesia	2018-2021	Computer Science	3.98
Master Program	Institut Teknologi Bandung	2011-2012	Informatics	3.92
Undergraduate	Institut Teknologi Bandung	2007-2011	Informatics Engineering	3.97

C. Research Experience (Last 5 Years)

No	Duration Year	Research Title	Financing Source
1	2022	Development of an Integrated E-Commerce System with a Smart Village concept to Promote MSMEs and West Nusa Tenggara Tourism	University of Mataram

2	2021	Accuracy Improvement of Convolutional Neural Network Methods in Arabic Handwriting Pattern Recognition.	University of Mataram
3	2020	Design and Implementation of Learning Media for Bima Script Transliteration Based on Android Applications	University of Mataram
4	2020	Bima Character Pattern Recognition Using Artificial Neural Networks.	University of Mataram
5	2019	Design of a Pornographic Video Detection System and Its Application on Android Smartphones	University of Mataram
6	2019	Development of an Analysis System for Student Satisfaction Levels with Teaching and Learning Activities at PSTI Unram Using the Weighted Service Quality Method	University of Mataram
7	2018	Design of a Pornographic Video Detection System and Its Applications on Android-Based Mobile Devices	Ministry of Research and Technology
8	2018	Integration of Information System for Teaching and Learning Satisfaction in Informatics Engineering Study Program With SIA Unram	University of Mataram

D. Community Service Experience (Last 5 Years)

No	Duration Year	Title	Financing Source
1	2022	Socialization of Digital Marketing-Based Agricultural Product Marketing in Penede Gandor Village, East Lombok Regency, NTB	University of Mataram
2	2021	Training on the Utilization of Open Source Media as Online Learning Media during the Covid-19 Pandemic at SD Negeri 1 Terong Tawah	University of Mataram
3	2021	Training on the Use of Touchless Hand Gesture Technology to Support the Implementation of Health Protocols in a Pandemic Period for Elementary School Age Children. Case Study: SD Negeri 01 Terong Tawah	University of Mataram
4	2020	Counseling on the Use of Social Media for Tourism in Batulayar Village, West Lombok Regency, NTB	University of Mataram
5	2019	Counseling on healthy internet and its ethics for the Suranadi Village Community, Narmada District, West Lombok, NTB	University of Mataram
6	2018	Flexible Visual Teaching Technology Extension in Group Learning at Bakti Islamic Kindergarten	University of Mataram
7	2018	Application of User Management System on the Internet Network of North Aikmel Village, Aikmel District, East Lombok	University of Mataram

E. Publication Experience (Last 5 Years)

N o.	Year	Title/Authors/Journal	Indexed by
1	2022	Sistem Perhitungan Struktur Bangunan Berbasis Web Pada PT. Invest Indonesian Islands.	Google Scholar
		Fritzie Primananda Adi Praja, Ario Yudo Husodo, Reza Bijanta.	
		Jurnal Begawe Teknologi Informasi, Vol 3/No 1/2022 http://begawe.unram.ac.id/index.php/JBTI/article/view/655	

2	2021	Learning Media for the Transliteration of Latin Letters into Bima Script Based on Android Applications Arik Aranta, IGPS Wijaya, Ario Yudo Husodo, Gibran Satya Nugraha, Rama Dwiyanaputra, Fitri Bimantoro, I Putrawan Journal of Education and Learning (EduLearn), Vol 15/No 2/ 2021 https://eric.ed.gov/?id=EJ1299907	Google Scholar
3	2021	Low-Cost Camera-Based Smart Surveillance System for Detecting, Recognizing, and Tracking Masked Human Face. Ervan Adiwijaya Haryadi, Grafika Jati, Ario Yudo Husodo, Wisnu Jatmiko International Journal of Interactive Mobile Technologies, Vol 15/23/2021 https://online-journals.org/index.php/i-jim/article/view/22725	Scopus
4	2021	Outdoor LiDAR Point Cloud Building Segmentation: Progress and Challenge Ahmad Gamal, Ario Yudo Husodo, Grafika Jati, Machmud R Alhamidi, M Anwar Ma'Sum, Ronni Ardianto, Wisnu Jatmiko 2021 International Conference on Advanced Computer Science and Information Systems (ICAC SIS) https://ieeexplore.ieee.org/abstract/document/9631345/	IEEE Xplore
5	2020	Enhanced social spider optimization algorithm for increasing performance of multiple pursuer drones in neutralizing attacks from multiple evader drones Ario Yudo Husodo, Grafika Jati, Amarulla Octavian, Wisnu Jatmiko IEEE ACCESS, Vol 8/2020 https://ieeexplore.ieee.org/abstract/document/8967069/	Scimago (Q1 Journal)
6	2020	Switching target communication strategy for optimizing multiple pursuer drones performance in immobilizing Kamikaze multiple evader drones Ario Yudo Husodo, Grafika Jati, Amarulla Octavian, Wisnu Jatmiko ICT Express, Vol 6/2/2020 https://www.sciencedirect.com/science/article/pii/S2405959519304199	Scimago (Q1 Journal)
7	2019	Fast pornographic image recognition using compact holistic features and multi-layer neural network I Gede Pasek Suta Wijaya, Ida Bagus Ketut Widiartha, Keiichi Uchimura, Muhamad Syamsu Iqbal, Ario Yudo Husodo International Journal of Advances in Intelligent Informatics, Vol 5/2/2019 https://core.ac.uk/download/pdf/295626530.pdf	Scopus
8	2019	Intruder drone localization based on 2D image and area expansion principle for supporting military defence system Ario Yudo Husodo, Grafika Jati, Noverina Alfiany, Wisnu Jatmiko 2019 IEEE International Conference on Communication, Networks and Satellite (Comnetsat) https://ieeexplore.ieee.org/abstract/document/8844103/	IEEE Xplore
9	2019	Warfare Simulation: Predicting Battleship Winner Using Random Forest Naili Suri Intizhami, Ario Yudo Husodo, Wisnu Jatmiko 2019 IEEE International Conference on Communication, Networks and Satellite (Comnetsat)	IEEE Xplore

		https://ieeexplore.ieee.org/abstract/document/8844049/	
10	2019	Adaptive Multi-Strategy Observation of Kernelized Correlation Filter for Visual Object Tracking Grafika Jati, Wisnu Jatmiko, Ario Yudo Husodo 2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS) https://ieeexplore.ieee.org/abstract/document/8936042/	IEEE Xplore
11	2019	The use of direction matrix to determine autonomous quad-copter drone path when facing obstacle Ario Yudo Husodo, Hanif Arief Wisesa, Wisnu Jatmiko 2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS) https://ieeexplore.ieee.org/abstract/document/8936025/	IEEE Xplore
12	2019	Dynamic Motion Planning for Conducting Obstacle Avoidance Maneuver of Fixed Wing Autonomous Aerial Vehicle Ario Yudo Husodo, Hanif Arief Wisesa, Wisnu Jatmiko 2019 4th Asia-Pacific Conference on Intelligent Robot Systems (ACIRS) https://ieeexplore.ieee.org/abstract/document/8936024/	IEEE Xplore
13	2019	Fast pornographic image recognition using compact holistic features and multi-layer neural network I Gede Pasek Suta Wijaya, Ida Bagus Ketut Widiartha, Keiichi Uchimura, Muhamad Syamsu Iqbal, Ario Yudo Husodo International Journal of Advances in Intelligent Informatics, Vol 5/2/2019 https://core.ac.uk/outputs/295626530	Scopus
14	2018	Multi-parameter measurement tool of heart rate and blood pressure to detect Indonesian car drivers drowsiness Ario Yudo Husodo, Indra Hermawan, Wisnu Jatmiko, Budi Wiweko, Alfred Boediman, Beno K Pradekso 2018 3rd International Seminar on Sensors, Instrumentation, Measurement and Metrology (ISSIMM). https://ieeexplore.ieee.org/abstract/document/8727729/	IEEE Xplore
15	2018	Denoising noisy ECG signal based on adaptive Fourier decomposition Indra Hermawan, Ario Yudo Husodo, Wisnu Jatmiko, Budi Wiweko, Alfred Boediman, Beno K Pradekso 2018 3rd International Seminar on Sensors, Instrumentation, Measurement and Metrology (ISSIMM). https://ieeexplore.ieee.org/abstract/document/8727739/	IEEE Xplore
16	2018	Realtime Porn Image Sensor Method for Preventing Smartphone Users to Take a Pornographic Photo Ario Yudo Husodo, I Gede Pasek Suta Wijaya, I Wayan Agus Arimbawa 2018 5th International Conference on Data and Software Engineering (ICoDSE). https://ieeexplore.ieee.org/abstract/document/8705807/	IEEE Xplore
17	2018	Real time face recognition based on face descriptor and its application I Gede Pasek Suta Wijaya, Ario Yudo Husodo, I Wayan Agus Arimbawa TELKOMNIKA (Telecommunication computing Electronics and control), Vol 16/2/2018.	Scimago

		http://telkomnika.uad.ac.id/index.php/TELKOMNIKA/article/view/7418	

F. Intellectual Property Rights

No.	Year	Tittle	Status
1	2021	Metode Transliterasi Huruf Latin Menjadi Aksara Bima Menggunakan Metode String Replacement	Granted
2	2019	Porn Away	Granted
3	2018	Aplikasi Deteksi Citra Pornografi (Porn Detector) Untuk Telepon Pintar (Smartphone) Berbasis Android)	Granted

G. Employment

No.	Duration Year	Employment	Position
1	2022-Now	Informatics Engineering Department	Secretary
2	2012-Now	Informatics Engineering Department	Member
3	2022-Now	Faculty of Engineering, University of Mataram Senate	Member

Mataram, September 2022



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