



UNIVERSITAS ISLAM NEGERI MAULANA MALIK IBRAHIM MALANG

Faculty of Science and Technology

**Undergraduate Mathematics Study Program**

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**STAFF HANDBOOK**

Name	Hisyam Fahmi, M.Kom		
Post	Major: Computation (Image processing and pattern recognition) Minor: Machine Learning		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Islam Negeri Maulana Malik Ibrahim	2019
	Post Doctoral	-	-
	Doctoral Degree	-	-
	Master Degree	Universitas Indonesia	2013
	Undergraduate Degree	Institut Teknologi Sepuluh Nopember	2011
Employment	Position	Employer	Period
	Instructor	Universitas Islam Negeri Maulana Malik Ibrahim	1/3/2019 – 30/09/2021
	Assistant Professor	Universitas Islam Negeri Maulana Malik Ibrahim	1/10/2021 – present
	Associate Professor	-	-
	Full Professor	-	-
Research and development projects over the last 5 years	1. Funder: UIN Maulana Malik Ibrahim Malang research grant ( <i>Penelitian Pembinaan/Kapasitas</i> ) Title: Detection of Modified Images Using Efficient Digital Image Forensic Methods Period: 2020 Amount of financing: IDR 12,000,000		
	2. Funder: UIN Maulana Malik Ibrahim Malang research grant ( <i>Penelitian Pengembangan Pendidikan Tinggi</i> ) Title: <i>Pengembangan Sistem Pengelolaan Penelitian, Pengabdian Kepada Masyarakat, dan Publikasi Ilmiah Menggunakan Model Scrum</i> Period: 2021 Amount of financing: IDR 45,000,000		
	3. Funder: UIN Maulana Malik Ibrahim Malang research grant ( <i>Penelitian Pembinaan/Kapasitas</i> ) Title: Image Processing Approach for Agricultural Image Analysis in Smart Farming Systems Period: 2022 Amount of financing: IDR 15,000,000		
	4. Funder: UIN Maulana Malik Ibrahim Malang research grant ( <i>Penelitian Terapan Pengembangan Nasional</i> ) Title: <i>Pengembangan Perangkat Pembelajaran Fisika Dasar Berbasis Information and Communication Technology (ICT) untuk Meningkatkan Keterampilan Penyelesaian Masalah</i> Period: 2023 Amount of financing: IDR 44,000,000		

Industry collaborations over the last 5 years	Project title: - Partners: -	
Patents and proprietary rights	Title	Year
	-	-
	-	-
Important publications over the last 5 years	Abtokhi, A., <b>Fahmi, H.</b> , & Sari, W. P. (2023). The Efficiency of Scrum Model for Developing Research and Publication Management Systems in Indonesia. <i>International Journal of Computing and Digital Systems</i> , 13(1), 149–158. <a href="https://doi.org/10.12785/IJCDS/130112">https://doi.org/10.12785/IJCDS/130112</a>	
	Prayugo, M. B. D., Nafisa, N. A., Yulianas, A., & <b>Fahmi, H.</b> (2023). Human Voice Recognition System with Backpropagation Neural Network Method. <i>Proceedings of the 12th International Conference on Green Technology (ICGT 2022)</i> , 432–442. <a href="https://doi.org/10.2991/978-94-6463-148-7_43">https://doi.org/10.2991/978-94-6463-148-7_43</a>	
	<b>Fahmi, H.</b> , & Sari, W. P. (2022). Analysis of deep learning architecture for patch-based land cover classification. <i>Proceeding of The 6th International Conference on Information Technology, Information Systems and Electrical Engineering: Applying Data Sciences and Artificial Intelligence Technologies for Environmental Sustainability (ICITISEE 2022)</i> , 245–249. <a href="https://doi.org/10.1109/ICITISEE57756.2022.10057895">https://doi.org/10.1109/ICITISEE57756.2022.10057895</a>	
	Fitrianah, D., <b>Fahmi, H.</b> , Hidayanto, A. N., & Arymurthy, A. M. (2022). Improved partitioning technique for density cube-based spatio-temporal clustering method. <i>Journal of King Saud University - Computer and Information Sciences</i> , 34(10), 8234–8244. <a href="https://doi.org/10.1016/J.JKSUCL.2022.08.006">https://doi.org/10.1016/J.JKSUCL.2022.08.006</a>	
	<b>Fahmi, H.</b> , & Sari, W. P. (2021). Effectiveness of Deep Learning Architecture for Pixel-Based Image Forgery Detection. <i>Proceedings of the International Conference on Engineering, Technology and Social Science (ICONETOS 2020)</i> , 529, 302–307. <a href="https://doi.org/10.2991/ASSEHR.K.210421.044">https://doi.org/10.2991/ASSEHR.K.210421.044</a>	
	Fitrianah, D., <b>Fahmi, H.</b> , Hidayanto, A. N., Tan, P.-N., & Arymurthy, A. M. (2021). A non-negative matrix factorization based clustering to identify potential tuna fishing zones. <i>International Journal of Electrical and Computer Engineering (IJECE)</i> , 11(6), 5458–5466. <a href="https://doi.org/10.11591/ijece.v11i6.pp5458-5466">https://doi.org/10.11591/ijece.v11i6.pp5458-5466</a>	
	Sari, W. P., & <b>Fahmi, H.</b> (2021). Opinion mining analysis on online product reviews using naïve bayes and feature selection. <i>Proceedings of 2021 International Conference on Information Management and Technology (ICIMTech 2021)</i> , 256–260. <a href="https://doi.org/10.1109/ICIMTECH53080.2021.9535081">https://doi.org/10.1109/ICIMTECH53080.2021.9535081</a>	
	Sari, W. P., & <b>Fahmi, H.</b> (2021). The Effect of Error Level Analysis on The Image Forgery Detection Using Deep Learning. <i>Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control</i> , 6(3), 187–194. <a href="https://doi.org/10.22219/KINETIK.V6I3.1272">https://doi.org/10.22219/KINETIK.V6I3.1272</a>	
	Harini, S., <b>Fahmi, H.</b> , Mulyanto, A. D., & Khudzaifah, M. (2020). The earthquake events and impacts mapping in Bali and Nusa Tenggara using a clustering method. <i>IOP Conference Series: Earth and Environmental Science</i> , 456(1), 012087. <a href="https://doi.org/10.1088/1755-1315/456/1/012087">https://doi.org/10.1088/1755-1315/456/1/012087</a>	
	Fitrianah, D., & <b>Fahmi, H.</b> (2019). The identification of determinant parameter in forest fire	

	based on feature selection algorithms. SINERGI, 23(3), 184–190. <a href="https://doi.org/10.22441/SINERGI">https://doi.org/10.22441/SINERGI</a>		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period