



UNIVERSITAS ISLAM NEGERI MAULANA MALIK IBRAHIM MALANG

Faculty of Science and Technology

Undergraduate Mathematics Study Program

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STAFF HANDBOOK

Name	Juhari, M.Si		
Post	Major: Applied Mathematics		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Islam Negeri Maulana Malik Ibrahim	
	Post Doctoral	-	-
	Doctoral Degree	-	-
	Master Degree	Universitas Jember, Indonesia	2012
	Undergraduate Degree	Universitas Jember, Indonesia	2007
Employment		Employer	Period
	Instructor	Universitas Islam Negeri Maulana Malik Ibrahim	
	Assistant Professor	Universitas Islam Negeri Maulana Malik Ibrahim	2022 – 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: <i>Studi Desain Geometri Fraktal Pada Motif Batik dan Anyam Khas Indonesia</i> Period: 2019 Amount of financing: IDR 15,000,000		
	2. Funder: UIN Maulana Malik Ibrahim Malang research grant (<i>Penelitian Pembinaan/Kapasitas</i>) Title: <i>Model Epidemii Susceptible, infected, Recovered (sir) Berdasarkan Umur pada Vaksinasi Campak</i> Period: 2021 Amount of financing: IDR 12,000,000		
	3. Funder: UIN Maulana Malik Ibrahim Malang research grant (<i>Penelitian Pembinaan/Kapasitas</i>) Title: <i>Konstruksi Model Matematika L-system Deterministic pada Batang Tanaman</i> Period: 2022 Amount of financing: IDR 15,000,000		
	4. Funder: UIN Maulana Malik Ibrahim Malang research grant (<i>Penelitian asar Program Studi</i>) Title: <i>Analisis Kestabilan Global Model Epidemii Susceptible-exposed-infected-hospitalized-critical-recovered-dead pada Kasus Covid-19 Indonesia</i> Period: 2023 Amount of financing: IDR 28,000,000		

Industry collaborations over the last 5 years	Project title: - Partners: -	
Patents and proprietary rights	Title	Year
	<i>Sistem Informasi Akademik Jurusan Matematika</i>	2020
	<i>Sistem Informasi Jurnal CAUCHY UIN Maulana Malik Ibrahim Malang</i>	2021
	<i>Sistem Informasi Jurnal Riset Mahasiswa Matematika (JRMM) UIN Maulana Malik Ibrahim Malang</i>	2021
	<i>Program Simulasi Pertumbuhan Tanaman Jagung dan Tembakau Menggunakan L-Systems</i>	2022
	Article "Global Stability Analysis of Susceptible, Infected, Recovered (S, I, R) Model Measles Vaccination Based on Age"	2022
Important publications over the last 5 years	Juhari, J., & Andrean, M. F. (2022). On the application of noiseless steganography and elliptic curves cryptography digital signature algorithm methods in securing text messages. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 7(3), 483–492. https://doi.org/10.18860/ca.v7i3.17358	
	Pagalay, U., Juhari, J. , Syamsuadi, A., & Ismansyah, M. D. (2021). Numerical solution model of brain tumors glioblastoma multiforme with treatment effect using Runge Kutta Fehlberg methods. <i>Proceedings of the International Conference on Engineering, Technology and Social Science (ICONETOS 2020)</i> , 767–776. https://doi.org/10.2991/assehr.k.210421.111	
	Karisma, R. D. L. N., Juhari, J. , & Rosa, R. A. (2021). Multivariate adaptive regression splines and bootstrap aggregating multivariate adaptive regression splines of poverty in Central Java. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 6(4), 238–245. https://doi.org/10.18860/ca.v6i4.10871	
	Juhari, J. (2021). <i>Matematika Diskrit</i> . Pena Persada.	
	Juhari, J. (2021). On the modification of newton-secant method in solving nonlinear equations for multiple zeros of trigonometric function. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 7(1), 84–96. https://doi.org/10.18860/ca.v7i1.12934	
	Juhari, J., & Alghar, M. Z. (2021). Modeling plant stems using the deterministic lindenmayer system. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 6(4), 286–295. https://doi.org/10.18860/ca.v6i4.11591	
	Pagalay, U., Fahmi, M., & Juhari, J. (2020). Dynamics analysis of two-dimensional systems of the Hodgkin-Huxley Model on propagation of nerve cell impulse. <i>The 1st International Conference on Islam, Science and Technology (ICONIST)</i> . https://doi.org/10.4108/eai.2-10-2018.2295563	
	Juhari, J. (2020). Mathematical Model Quartic Curve Bezier of Modification Cubic Curve Bezier. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 6(2), 77–83. https://doi.org/10.18860/ca.v6i2.9054	
	Juhari, J. (2020). Super Total Labeling (a, d)-edge Antimagic on the Firecracker Graph. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 6(3), 133–139. https://doi.org/10.18860/ca.v6i3.10145	
	Juhari, J. (2019). Modification of the Curve and the Surface Polynomial Bezier Using de Casteljau Algorithm. <i>CAUCHY: Jurnal Matematika Murni Dan Aplikasi</i> , 5(4), 210–215.	

	https://doi.org/10.18860/ca.v5i4.6346		
	Juhari, J. (2019). The study geometry fractals designed on Batik motives. CAUCHY: Jurnal Matematika Murni Dan Aplikasi, 6(1), 34–39. https://doi.org/10.18860/ca.v6i1.8081		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period