UNIVERSITAS ISLAM NEGERI MAULANA MALIK IBRAHIM MALANG
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STAFF HANDBOOK

Name	Dr. Usman Pagalay, M.Si		
Post	Major: Applied Mathematics		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Islam Negeri Maulana Malik Ibrahim	
	Post-Doctoral	-	-
	Doctoral Degree	Universitas Brawijaya (UB), Indonesia	2012
	Master Degree	Institut Teknologi Bandung (ITB), Indonesia	2003
	Undergraduate Degree	Universitas Hasanuddin, Indonesia	1997
Employment	Position	Employer	Period
	Instructor	Universitas Islam Negeri Maulana Malik Ibrahim	
	Assistant Professor	Universitas Islam Negeri Maulana Malik Ibrahim	
	Associate Professor	Universitas Islam Negeri Maulana Malik Ibrahim	
	Full Professor	-	-
Research and development projects over the last 5 years	1. Funder: UIN Maulana Malik Ibrahim Malang research grant Title: *Konstruksi Model Matematika interaksi Makrofag, Limfosit, dan Sitokin pada Penyakit Malaria yang diterapi dengan Ekstrak Buah Pare (momodica Charantia L)* Period: 2020 Amount of financing: IDR 101,000,000		
	2. Funder: UIN Maulana Malik Ibrahim Malang research grant Title: Cytokine Storm Within Host Dynamical Modelling Period: 2023 Amount of financing: IDR 34,000,000		
Industry collaborations over the last 5 years	Project title: - Partners: -		
Patents and proprietary rights	Title		Year
	-		
	-		
Important publications over the last 5 years	Charis, B. Z., **Pagalay, U.**, Hariyadi, M. A., & Wadjdi, M. F. (2022). Optimalisasi Formula Kandungan Zat Bahan Pakan Domba Dan Kambing Dengan Multivariate Linear Regression. Jurnal Ilmiah Biosaintropis (Bioscience-Tropic), 8(1), 46–55. https://doi.org/10.33474/e-jbst.v8i1.492		
	Laila, A. N., **Pagalay, U.**, & Widayani, H. (2022). Analisis Model Stokastik Penularan Virus Hepatitis B. Jurnal Riset Mahasiswa Matematika, 2(1), 1–9.		

	https://doi.org/10.18860/JRMM.V2I1.14467
	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. Proceedings of the International Conference on Engineering, Technology and Social Science (ICONETOS 2020), 767–776. https://doi.org/10.2991/assehr.k.210421.111
	Pagalay, U., Fahmi, M., & Juhari, J. (2020). Dynamics analysis of two-dimensional systems of the Hodgkin-Huxley Model on propagatsion of nerve cell impulse. The 1st International Conference on Islam, Science and Technology (ICONIST). https://doi.org/10.4108/eai.2-10-2018.2295563
	Pagalay, U., Widayani, H., Azzam, A., & Halimah, S. (2020). Mathematical model of leukocyte formation with delays. AIP Conference Proceeding of Symposium on Biomathematics 2019 (SYMOMATH 2019). https://doi.org/10.1063/5.0023450
	Pagalay, U., Handayani, L., & Azzam, A. (2019). Dynamics of Macrofages and Cytokines after Myocardial Infarction. 1st International Conference on Science and Technology (ICOST 2019). https://doi.org/10.4108/eai.2-5-2019.2284674
	Pagalay, U., Nafisa, D. Z., & Widayani, H. (2019). Optimal control of innate immune response on lung-macrophages in pneumonia. Proceedings of The Symposium on Biomathematics (SYMOMATH 2018). https://doi.org/10.1063/1.5094273

Activities in specialist bodies over the last 5 years *(Membership without a specific role need not be mentioned)*	Organization	Role	Period