



STAFF HANDBOOK

Name	Meliana Pasaribu		
Post	Optimization, Mathematical Modelling, Dynamical System		
Academic career			
	Initial academic appointment	Institution	Year
	Master's degree (Math)	UGM	2014
	Undergraduate degree (Math)	UPR	2009
Employment	Position Assistant Professor 2019-now		
Research and development projects over the last 5 years	Name of project or research focus: ~ Determining The Optimal Solution Using Modified Exponential Approach Method Period and any other information: ~ April – November 2023 Partners, if applicable: Amount of financing : ~ IDR 22,800,000,00		
Industry collaborations over the last 5 years	Project title: - Partners: -		
Patents and proprietary rights	Title Year		
Important publications over the last 5 years	Selected recent publications from a total of approx - Pasaribu, M., & Helmi, H. (2021). Aplikasi persamaan diferensial stokastik pada masalah kontrol optimum berkendala. <i>BAREKENG: Jurnal Ilmu Matematika dan Terapan</i>, 15(2), 257-266. - Megasari, R., Prihandono, B., & Pasaribu, M. (2024). Penerapan Metode Modified Hungarian pada Permasalahan Penugasan Fuzzy. <i>AKSIOMA: Jurnal Matematika dan Pendidikan Matematika</i>, 15(1), 1-13. - Robiah, R., Kiftiah, M., & Pasaribu, M. (2023). Penentuan Solusi Optimal Pemrograman Kuadratik Menggunakan Metode Beale (Studi Kasus: Produksi Padi Kalimantan Barat). <i>KUBIK: Jurnal Publikasi Ilmiah Matematika</i>, 8(2), 79-88. - Rahmawati, I., Kiftiah, M., & Pasaribu, M. (2023). Pemodelan Integer Preemptive Goal Programming dalam Mengoptimalkan Perencanaan Produksi di UKM Rengginang Kalimantan Barat. <i>Jurnal Sains Matematika dan Statistika</i>, 9(2), 129-138.. - Pasaribu, M., Yundari, Y., & Ilyas, M. (2021). Graceful Labeling and		



	Skolem Graceful Labeling on the U-star Graph and It's Application in Cryptography. <i>Jambura Journal of Mathematics</i> , 3(2), 103-114.		
Activities in specialist bodies over the last 5 years			
	Organisation	Role	Period
	Indonesian Mathematical Society (IndoMS)	Member	2022 - 2024