



# UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Mathematics

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## STAFF HANDBOOK

Name	<i>Ari Suparwanto</i>		
Post	<i>Algebra</i>		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctorate (Math)</i>	<i>University of Graz</i>	<i>2001</i>
	<i>Master Degree (Math)</i>	<i>UGM</i>	<i>1998</i>
	<i>Bachelor Degree (Math)</i>	<i>UGM</i>	<i>1991</i>
Employment	<i>Assistant</i>	<i>UGM</i>	<i>1993 - 2002</i>
	<i>Assistant Professor</i>	<i>UGM</i>	<i>2003 - 2008</i>
	<i>Associate Professor</i>	<i>UGM</i>	<i>2009 - Now</i>
Research and development projects over the last 5 years	<i>Diagonalization of Matrix Symmetry over Max-Plus Algebra Symmetry</i> <i>Period and any other information : April – Oktober 2023</i> <i>Amount of financing : Rp. 15.000.000,00</i>		
Industry collaborations over the last 5 years	<i>Project title: -</i> <i>Partners: -</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. 42</i> <ol style="list-style-type: none"><li>1. <i>Latif, A.S., Sumardi, Solekhudin, I., and Suparwanto, A., 2021, Solving Partial Dierential Equation Using LeNNDDY2 Method, IAENG Journal, 29(3), 1015-1019.</i></li><li>2. <i>Fitriana V., Salmah, and Suparwanto, A., 2022, Sequentially Updated Distributed Receding Horizon Control Scheme with Application to Irrigation Canal Systems, International Journal of Applied Mathematics, 52(1), 200-206.</i></li><li>3. <i>Suroto, Diah Junia Eksi Palupi, Ari Suparwanto, The Cholesky Decomposition of Matrices over the Symmetrized Max-Plus Algebra, IAENG International Journal of applied Mathematics, 52(3), 678-683.</i></li><li>4. <i>Zaful Ulum, Salmah, Ari Suparwanto, Solikhatun, 2023, The Design of Coalitional Model Predictive Control for Large-Scale Systems, Engineering Letters, 31(1), 66-76.</i></li></ol>		



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Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	-		