



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Mathematics

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STAFF HANDBOOK

Name	<i>Irwan Endrayanto Aluicius</i>		
Post	<i>Applied Mathematics</i>		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Mathematics)</i>	<i>University of Twente, the Netherlands</i>	<i>2013</i>
	<i>Master's degree (Engineering Mathematics)</i>	<i>University of Twente, the Netherlands</i>	<i>2000</i>
	<i>Undergraduate degree (Mathematics)</i>	<i>Universitas Gadjah Mada, Yogyakarta</i>	<i>1996</i>
Employment	<i>Lecturer</i>	<i>Universitas Gadjah Mada, Yogyakarta</i>	<i>1998-now</i>
Research and development projects over the last 5 years	<i>Dynamic Resource Allocation in Wireless Networks, 2001-2015, University of Twente</i> <i>Dynamic Resource Allocation and Optimal Logistics Design in Healthcare Operations, 2015-now, , University of Twente</i>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<i>Title: METODE PENGATURAN ALAT PENGATUR ISYARAT LALU LINTAS YANG ADAPTIF TERHADAP KEPADATAN LALU LINTAS</i>		<i>Year 2023</i>
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (10 journals): -latest 5 publications</i> <ol style="list-style-type: none"> <i>Setiawan, R., Salmah, Endrayanto, I., Indarsih, <i>Analysis of the n-person noncooperative supermodular multiobjective games</i>, <i>Operations Research Letters</i> Volume 51, Issue 3, Pages 278 – 284 May 2023.</i> <i>Pandiya, R; Salmah; Widodo; Endrayanto, I.</i>, <i>Finding global minima with an inflection point-based filled function algorithm</i>, <i>Numerical Algorithms</i>, Volume 92, Issue 2, Pages 1403 – 1424, February 2023. <i>Pandiya, R., Salmah, Widodo, Endrayanto, I.</i>, <i>A Class of Parameter-Free Filled Functions for Unconstrained Global Optimization</i>, <i>International Journal of Computational Methods</i> Volume 19, Issue 41 May 2022. 		



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	<p>4. Setiawan, R., Salmah, Endrayanto, I., Indarsih, Analysis of a Single Manufacturer Multi-Retailer Inventory Competition Using Supermodular Multi-Objective Games, <i>Mathematical Modelling of Engineering Problems</i>, Volume 9, Issue 3, Pages 559 – 567, June 2022.</p> <p>5. Pandiya, R; Salmah; Widodo; Endrayanto, I, Non parameter-filled function for global optimization, <i>Applied Mathematics and Computation</i>, 2021, 391, 125642</p>						
Activities in specialist bodies over the last 5 years	<table><thead><tr><th><i>Organisation</i></th><th><i>Role</i></th><th><i>Period</i></th></tr></thead><tbody><tr><td>-</td><td></td><td></td></tr></tbody></table>	<i>Organisation</i>	<i>Role</i>	<i>Period</i>	-		
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