



UNIVERSITAS PENDIDIKAN INDONESIA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES EDUCATION
PHYSICS EDUCATION STUDY PROGRAM

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STAFF HANDBOOK

Name	Lathifa Nur Ramdhania, S.T., M.Sc.																				
Position	Instrumentation Physics																				
Academic Career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>																		
	Lecturer	Universitas Pendidikan Indonesia	2024 - now																		
	<i>Habilitation (Post-doctoral)</i>	<i>Institution</i>	<i>Year</i>																		
	<i>Doctorate</i>	<i>Institution</i>	<i>Year</i>																		
	<i>Master</i>	<i>Institution</i>	<i>Year</i>																		
	Physics	Linnaeus University	2020-2023																		
Employment	<i>Undergraduate degree</i>	<i>Institution</i>	<i>Year</i>																		
	Engineering Physics	Institut Teknologi Bandung	2010-2014																		
Employment	<i>Position</i>	<i>Employer</i>	<i>Year</i>																		
	Lecturer	Dean	2024-now																		
Research and development projects over the last 5 years	Name of project or research focus Period and any other information Partners, if applicable Amount of financing																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">No</th> <th rowspan="2">Year</th> <th rowspan="2">Title of Research Project</th> <th colspan="2">Financing</th> </tr> <tr> <th>Sources</th> <th>Amount (Million Rp)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2025</td> <td>Flood Risk Prediction in West Java Based on Spatial Analysis, Resistivity, and Land Cover Change with a Machine Learning Approach (member)</td> <td>Directorate General of Higher Education, Research, and Technology</td> <td>84.850.000</td> </tr> <tr> <td>2</td> <td>2025</td> <td>Mapping of potential flood zones using spatial photogrammetry integration based on convolutional neural networks and turbidity data in the East Bandung area (member)</td> <td>Faculty of Mathematics and Natural Sciences Education, Universitas Pendidikan Indonesia</td> <td>15.000.000</td> </tr> </tbody> </table>				No	Year	Title of Research Project	Financing		Sources	Amount (Million Rp)	1	2025	Flood Risk Prediction in West Java Based on Spatial Analysis, Resistivity, and Land Cover Change with a Machine Learning Approach (member)	Directorate General of Higher Education, Research, and Technology	84.850.000	2	2025	Mapping of potential flood zones using spatial photogrammetry integration based on convolutional neural networks and turbidity data in the East Bandung area (member)	Faculty of Mathematics and Natural Sciences Education, Universitas Pendidikan Indonesia	15.000.000
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Industry collaborations over the last 5 years	Project title partners -																				
Patents and proprietary rights	-																				
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number): 24 Publication (Scopus Indexed) Author(s)</i> <i>Title</i> <i>Any other information</i>																				



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	<i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i>		
	No	Publication	Author (s)
	1.	Metode Anotasi Visual Baru untuk Meningkatkan Akurasi Sistem Penentuan Posisi dalam Ruangan Berbasis Kamera. JTERA (Jurnal Teknologi Rekayasa) 10 (1), 105-112 https://dx.doi.org/10.31544/jtera.v10.i1.2025.105-112	LN Ramdhania , H Almadaniy, A Aminudin, L Hasanah
2.	Review of solar thermal technologies in sustainable animal agriculture farms: Current and potential uses. Solar Energy 291, 113374 https://doi.org/10.1016/j.solener.2025.113374	UH Ramadhani, LN Ramdhania , H Iskandar, A Fudholi, H Abimanyu	
Activities in specialist bodies over the last 5 years	Organization		
	Role		Periods
	Physical Society of Indonesia		Member
			2024-now