

STAFF PROFILE

Name	Prof. Dr. rer. nat. Terry Mart		
Position	Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Professor	University of Indonesia	2011-now
	Post-Doct. Res. (Hadron Physics)	George-Washington Univ.	2005
	Doctor (Nuclear Physics)	Universität Mainz	2000
	Doktorandus (Physics)	University of Indonesia	1997
Employment	Position	Period	
	Professor	2011-now	
Research projects or focus	Hadronic Physics, Hypernuclear Physics		
Research collaborations over the last 5 years	<ul style="list-style-type: none">• 2019 – now: Hypernuclear Production with Prof. Emiko Hiyama, Tohoku University, Japan• 2016-2021: Photoproduction of kaon off the nucleon• 2021-now: Electroproduction of kaon off the nucleon		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Electromagnetic Production of Kaon in All Isospin Channels: Summary of the Progress and Application	Few-Body Systems	2021/62, 31 DOI: 10.1007/s00601-021-01617-0	First and Corresponding Author
	The effects of ENSO, climate change and human activities on the water level of Lake Toba, Indonesia: a critical literature review	Geoscience Letters	2021/8, 21 DOI: 10.1186/s40562-021-00191-x	Corresponding Author
	How do I introduce Schrödinger equation during the quantum mechanics course?	Physics Education	2021/56, 025012. DOI: 10.1088/1361-6552/abc8db	First and Corresponding Author
Total publication over the last 5 years (2016-2021)	<i>60</i>			
Orchid ID	<i>https://orcid.org/0000-0003-4628-2245</i>			

Scholar UI	https://scholar.ui.ac.id/en/persons/terry-mart		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>
	• <i>Physical Society of Indonesia</i>	<i>2000 – now</i>	<i>Member</i>
	• <i>Indonesian Academy of Sciences</i>	<i>2012 – now</i>	<i>Member</i>
	• <i>UI professorial Board</i>	<i>2015 – now</i>	<i>Member</i>

STAFF PROFILE

Name	Dr. Eng. Yunus, Dipl.Geotherm.Tech., M.Sc.		
Position	Assistant Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor (Geothermal Exploration)	Kyushu University	2002
	Master (Geophysics)	University of Indonesia	1998
	Undergraduate Degree (Geophysics)	University of Indonesia	1993
Employment	Position	Period	
	Assistant Professor	Current position	
Research projects or focus	Exploration Geophysics, Geothermal Affairs, Mining and Environment		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Thermoeconomic assessment and optimization of wells to flash–binary cycle using pure R601 and zeotropic mixtures in the Sibayak geothermal field	Geothermics	2020/ 85, 101778 DOI: 10.1016/j.geothermics.2019.101778	Co-Author

Important publications over the last 5 years	Resistivity characterization of the Arjuno-Welirang volcanic geothermal system (Indonesia) through 3-D Magnetotelluric inverse modeling	Journal of Asian Earth Sciences	2019/174, 352-363 DOI: 10.1016/j.jseaes.2019.01.033	First and Corresponding Author
	Multi-objective optimization of a multiregional electricity system in an archipelagic state: The role of renewable energy in energy system sustainability	Renewable and Sustainable Energy Reviews	2017/ 77,17 DOI: 10.1016/j.rser.2017.04.021	Corresponding Author
Total publication over the last 5 years (2016-2021)	47			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/yunus			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. rer. nat. Imam Fachruddin</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (physics)</i>	<i>Ruhr-Universitaet Bochum, Germany</i>	<i>2003</i>
	<i>Master (physics)</i>	<i>University of Indonesia</i>	<i>1996</i>
	<i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i>	<i>1992</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Associate Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Few-Body Nuclear Physics</i>		
Research collaborations over the last 5 years	<i>Dr. rer. nat. Agus Salam, Universitas Indonesia</i>		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	One-Hadron-Exchange K ⁺ -p interaction model in nonrelativistic energy region	<i>J. Phys.: Conf. Ser.</i>	2021/1816 012040. DOI: 10.1088/1742-6596/1816/1/012040	Corresponding Author
	Photoproduction mechanism for charged reaction of K ⁺ A with nucleon	<i>J. Phys.: Conf. Ser.</i>	2021/ 1816 012092. DOI: 10.1088/1742-6596/1816/1/012092	Corresponding Author
	Nonrelativistic one-hadron-exchange K ⁺ -p interaction model	<i>J. Phys.: Conf. Ser.</i>	2021/ 1751 012073. DOI: 10.1088/1742-6596/1751/1/012073	Corresponding Author
Total publication over the last 5 years (2016-2021)	17			
Orchid ID	https://orcid.org/0000-0002-9194-9769			
Scholar UI	https://scholar.ui.ac.id/en/persons/imam-fachruddin			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. Prawito Prajitno</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Automatic Control & Systems Engineering) Undergraduate Degree (physics)</i>	<i>University of Sheffield University of Indonesia</i>	<i>2003 1987</i>

Employment	<i>Position</i>	<i>Period</i>
	<i>Assistant Professor</i>	<i>Current position</i>
Research projects or focus	<i>Artificial Intelligence and Embedded Systems</i>	
Research collaborations over the last 5 years	-	

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	A labview based optimization of supersonic wind tunnel instrumentation systems	Indonesian Journal of Electrical Engineering and Informatics	2020/ 8, 11 DOI: 10.11591/ijeei.v8i2.591	Co-Author
	Rain detection in image using convolutional neural network	Journal of Physics: Conference Series	2020/ 1528, 0120101 DOI: 10.1088/1742-6596/1248/1/012018	Corresponding Author
	Development of visual request system by using wireless EEG signal to help communication of patients suffering locked-in syndrome	AIP Conference Proceedings	2019/ 2168, 020018 DOI: 10.1063/1.5132445	Corresponding Author
Total publication over the last 5 years (2016-2021)	69			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/prawito-prajitno			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. rer.nat. Martarizal</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (physics)</i>	<i>Uni Giessen, Germany</i>	<i>1998</i>
	<i>Master (physics)</i>	<i>Uni Giessen, Germany</i>	<i>1994</i>
	<i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i>	<i>1988</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>The Virtual Instrument and Sensor</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	<i>Implementation of artificial neural networks for very short range weather prediction</i>	Journal of Physics: Conference Series	2020/1528, 012039 DOI: 10.1088/1742-6596/1528/1/012039	Co- Author
	<i>Prediction of PM2.5 and PM10 parameters using artificial neural network: A case study in Kemayoran, Jakarta</i>	Journal of Physics: Conference Series	2020/1528, 012036 DOI: 10.1088/1742-6596/1528/1/012036	Co- Author
Total publication over the last 5 years (2016-2021)	2			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/martarizal			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. Santoso</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Science Enggineering)</i>	<i>Universite de Franche- Comte, France</i>	<i>1995</i>
	<i>Master (physics)</i>	<i>University of Indonesia</i>	<i>1990</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1985</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>The Sensors and Electronics area</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Measurement and analysis of air quality impacts caused by CO and NO ₂ on Margonda Raya street Depok	Journal of Physics: Conference Series	2020/1528, 012046 DOI: 10.1088/1742-6596/1528/1/012046	Co- Author
	Design and analysis of air quality monitoring system PM ₁₀ and PM _{2.5} integrated with weather parameters (a case study on Margonda Raya street Depok)	Journal of Physics: Conference Series	2020/1528, 012053 DOI: 10.1088/1742-6596/1528/1/012053	Co- Author

	A systematic literature reviews of multichannel analyzer based on FPGA for gamma spectroscopy	Journal of Physics: Conference Series	2020/ 1528, 012016 DOI: 10.1088/1742-6596/1528/1/012016	Co- Author
Total publication over the last 5 years (2016-2021)	7			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/santoso			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. Vivi Fauzia</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Microengineering and Nanoelectronics)</i>	<i>Universiti Kebangsaan Malaysia</i>	<i>2013</i>
	<i>Master (physics)</i>	<i>Bandung Institute of Technology</i>	<i>1997</i>
	<i>Undergraduate Degree (physics)</i>	<i>Bandung Institute of Technology</i>	<i>1995</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>1. Synthesis of novel bimetallic nanoparticles decorated one-dimensional ZnO nanorods for photocatalytic application</i> <i>2. Two-dimensional materials (MoS₂ & WS₂) modified ZnO nanorods for gas-sensing and photodetectors</i> <i>3. Silver nanowire-based electronic devices</i> <i>4. Bismuth telluride nanostructure for thermoelectric applications</i> <i>5. Synthesis and applications of noble metal bimetallic nanostructures with high-energy facets</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-
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	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
Important publications over the last 5 years	Tuning the photocatalytic activity of nanocomposite ZnO nanorods by shape-controlling the bimetallic AuAg nanoparticles	Applied Surface Science	2021/536:147847 DOI: 10.1016/j.apsusc.2020.147847	Corresponding Author
	The enhanced performance of capacitive-type humidity sensors based on ZnO nanorods/ WS ₂ nanosheets heterostructure	Sensors and Actuators, B: Chemical	2020/310: 127810 DOI: 10.1016/j.snb.2020.127810	Corresponding Author
	The role of cobalt doping on the photocatalytic activity enhancement of ZnO nanorods under UV light irradiation	Surfaces and Interfaces	2020/18: 100435. DOI: 10.1016/j.surfin.2020.100435	Corresponding Author
Total publication over the last 5 years (2016-2021)	45			
Orchid ID	https://orcid.org/0000-0002-4593-4662			
Scholar UI	https://scholar.ui.ac.id/en/persons/vivi-fauzia			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dra. Nurlely, M.Si., Ph.D.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Assistant Professor</i>	<i>University of Indonesia</i>	<i>Now</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Biomaterials</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Potentiometric enzyme biosensor for rapid determination of formaldehyde based on succinimide-functionalized polyacrylate ion-selective membrane	Measurement: Journal of the International Measurement Confederation	2021/175, 109112 DOI: 10.1016/j.measurement.2021.109112	First Author
	Synthesis and optimization of acrylic-N-acryloxysuccinimide copolymer microspheres	International Journal on Advanced Science, Engineering and Information Technology	2018/8, 3 DOI: 10.18517/ijaseit.8.3.3336	Co-Author
	A localized surface plasmon resonance enhanced dye-based biosensor for formaldehyde detection	Sensors and Actuators, B: Chemical	2018/ 257, 6 DOI: 10.1016/j.snb.2017.11.031	Co-Author
Total publication over the last 5 years (2016-2021)	28			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/nurlely			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	Drs. Herbert P. Simanjuntak, M.Sc., Ph.D.		
Position	Assistant Professor of Physics		
Lectures	Physics		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	Doctor (physics)	Tufts University USA	1990

Employment	<i>Position</i>	<i>Period</i>
	<i>Assistant Professor</i>	<i>Current position</i>
Research projects or focus	<i>Macroscopic Quantum Tunneling, Micromagnetics.</i>	
Research collaborations over the last 5 years	-	

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Transitions of the Néel vector in spintronics	Journal of Magnetism and Magnetic Materials	2019/ 482 DOI: 10.1016/j.jmmm.2019.03.039	First and Corresponding Author
	Transitions of the magnetization in the presence of a polarized current	Journal of Magnetism and Magnetic Materials	2018/ 468 DOI: 10.1016/j.jmmm.2018.08.008	First and Corresponding Author
	Determination of Total Tannins and Antibacterial Activities Ethanol Extraction Seri (Muntingia calabura L) Leaves	IOP Conference Series: Earth and Environmental Science	2021/ 1811, 012121 DOI: 10.1088/1742-6596/1811/1/012121	Co-Author
Total publication over the last 5 years (2016-2021)	3			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/herbert-p-simanjuntak			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Drs. Mohammad Syamsu Rosid, M.T., Ph.D</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Exploration Geophysics)</i>	<i>Curtin University of Technology, Australia</i>	<i>2016</i>
	<i>Master (Geophysics)</i>	<i>Bandung Institute of Technology</i>	<i>1994</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1988</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Exploration Geophysics and Disaster Mitigation</i>		
Research collaborations over the last 5 years	<i>M. Wahdanadi (Pertamina), Adi Susilo (University of Brawijaya)</i>		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	The effects of ENSO, climate change and human activities on the water level of Lake Toba, Indonesia: a critical literature review	Geoscience Letters	2021/8, 1, 21 DOI: 10.1186/s40562-021-00191-x	Co-Author
	Monitoring of Jakarta Subsidence Applying 4D Microgravity Survey Between 2014 and 2018	International Journal of GEOMATE	2021/20, 79 DOI: 10.21660/2021.79.j2031	First Author
	Pore Type Inversion and S-Wave Velocity Estimation for the Characterization of Salawati Carbonate Reservoir	Indonesian Journal on Geoscience.	2021/8, 1 DOI: 10.17014/ijog.8.1.131-146	First Author
Total publication over the last 5 years (2016-2021)	53			
Orchid ID	-			

Scholar UI	https://scholar.ui.ac.id/en/persons/mohammad-syamsu-rosid		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>
	• <i>Physical Society of Indonesia</i>	<i>now</i>	<i>Member</i>
	• <i>The Indonesian Geophysical Society (HAGI)</i>	<i>now</i>	<i>Member</i>
	• <i>Society of Exploration Geophysics</i>	<i>now</i>	<i>Member</i>

STAFF PROFILE

Name	<i>Drs. Sastra Kusuma Wijaya, Ph.D.</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (the Natural Sciences & Engineering)</i>	<i>Okayama University, Japan</i>	<i>2004</i>
	<i>Master (physics)</i>	<i>University of New England Physics Armidale, Australia</i>	<i>1992</i>
	<i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i>	<i>1985</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Associate Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Electronics Instrumentation</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	The effect of pulsed electromagnetic field exposure on fracture healing through the wnt signal pathway	OnLine Journal of Biological Sciences	2020/20, 4. DOI: 10.3844/ojbsci.2020.239.249	Corresponding Author
	Development of multithread acquisition system for high quality EEG signal measurement	Journal of Physics: Conference Series.	2021/ 1816, 012072. DOI: 10.1088/1742-6596/1816/1/012072	Corresponding Author

	Preliminary study development of very low head hydro power using vortex turbine in Indonesia: Case study in Ciletuh, Sukabumi, West Java	AIP Conference Proceedings	2021/ 2320, DOI: 10.1063/5.0037461	Corresponding Author
Total publication over the last 5 years (2016-2021)	65			
Orchid ID	https://orcid.org/0000-0003-0780-9585			
Scholar UI	https://scholar.ui.ac.id/en/persons/sastra-kusuma-wijaya			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Handhika Satrio Ramadhan, S.Si., M.Sc., Ph.D.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (theoretical physics)</i>	<i>Tufts University Physics USA</i>	<i>2011</i>
	<i>Master (theoretical physics)</i>	<i>Tufts University Physics USA</i>	<i>2008</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>2005</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>general relativity, modified gravity theories, black holes, topological defects, astrophysics</i>		
Research collaborations over the last 5 years	<i>Dr. Ardian Nata Atmaja from LIPI</i>		
Patents and proprietary rights	-		

	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
Important publications over the last 5 years	CdL Instanton in EiBI Gravity and the Failure of Thin-Wall Approximation	Gravitation and Cosmology	2021/ 27, 2 DOI: 10.1134/S0202289321020092	Corresponding Author
	Ultra-compact objects from semi-classical gravity	Physical Review D	2021/ 103, 12 DOI: 10.1103/PhysRevD.103.123536	Co-Author
	Geodesic of nonlinear electrodynamics and stable photon orbits	Physical Review D	2020/ 101, 12 DOI: 10.1103/PhysRevD.101.124036	Corresponding Author
Total publication over the last 5 years (2016-2021)	36			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/handhika-satrio-ramadhan			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Isom Mudzakir, M.Si</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Assistant Professor</i>	<i>University of Indonesia</i>	<i>Now</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	

Research projects or focus	<i>Ferroelectric materials</i>
Research collaborations over the last 5 years	-

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Thermal behavior, dielectric and corrosion resistance of polyurethane/carbon/nanoclay hybrid materials	IOP Conference Series: Materials Science and Engineering	2020/ 763, 012072 DOI: 10.1088/1757-899X/763/1/012072	Corresponding Author
	Investigation on structure, magnetic and dielectric properties of (BiFeO ₃) _{1-x} (Bi _{12.24} Co _{12.8} O ₄₀) _x composite	AIP Conference Proceedings	2019/ 2168, 020008 DOI: 10.1063/1.5132435	Corresponding Author
	Engineering of magnetic properties in doped bismuth ferrite materials	MATEC Web of Conferences	2018/ 218, 04027 DOI: 10.1051/mateconf/201821804027	Corresponding Author
Total publication over the last 5 years (2016-2021)	8			
Orchid ID	-			
Scholar	https://scholar.google.com/citations?user=iTi73qkAAAAJ&hl=en			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Kristina Tri Wigati, M.Si</i>
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Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Master (Medical Physics) Undergraduate Degree (physics)</i>	<i>University of Indonesia Bogor Agricultural University</i>	<i>2008 2004</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>image quality, dosimetry and optimisation of radiation protection in the field of Diagnostic and Interventional Radiology.</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	On the relevance of modulation transfer function measurements in digital mammography quality control	Journal of Medical Imaging	2021/ 8, 2, 023505 DOI: 10.1117/1.JMI.8.2.023505	First Author
	Channelized Hotelling observer assessing microcalcification detectability on 2D mammography: A first application to study the impact of tube voltage	Journal of Physics: Conference Series	2019/ 1248, 012018 DOI: 10.1088/1742-6596/1248/1/012018	First Author
	A case study on the impact of a reduction in MTF on test object detectability score in mammography	Progress in Biomedical Optics and Imaging – Proceedings of SPIE	2019/ 10948, 109480J DOI: 10.1117/12.2513285	First Author
Total publication over the last 5 years (2016-2021)	9			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/kristina-tri-wigati			
Activities in	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	

specialist bodies over the last 5 years	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>
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STAFF PROFILE

Name	<i>Lukmanda Evan Lubis, M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Master (Physics)</i> <i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i> <i>University of Indonesia</i>	<i>2014</i> <i>2012</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Medical physics in the field of Diagnostic and Interventional Radiology.</i>		
Research collaborations over the last 5 years	<i>Prof. Dr. Hilde Bosmans (KU Leuven)</i>		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Developing and implementing a multi-modality imaging optimization study in paediatric radiology: Experience and recommendations from an IAEA coordinated research project	Physica Medica	2021/ 82, 11 DOI: 10.1016/j.ejmp.2021.02.009	Co-Author
	Radiation Dose from Dental Radiography in Indonesia: A Five year Survey	Radiation Protection Dosimetry	2019/ 183, 3, DOI: 10.1093/rpd/ncy123	First Author
	Task-based phantom evaluation of cardiac catheterization imaging modes	Physica Medica	2018/ 46, 10 DOI: 10.1016/j.ejmp.2018.02.002	First Author

Total publication over the last 5 years (2016-2021)	23		
Orchid ID	https://orcid.org/0000-0001-8827-3932		
Scholar UI	https://scholar.ui.ac.id/en/persons/lukmanda-evan-lubis		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>
	• <i>Physical Society of Indonesia</i>	<i>now</i>	<i>Member</i>
	• <i>Indonesian Association of Physicists in Medicine</i>	<i>now</i>	<i>Member</i>
	• <i>American Association of Physicists in Medicine</i>	<i>now</i>	<i>Member</i>

STAFF PROFILE

Name	<i>Muhammad Aziz Majidi, S.Si., M.Si., Ph.D</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Theoretical Condensed Matter Physics)</i>	<i>University of Cincinnati Ohio, USA</i>	<i>2006</i>
	<i>Master (physics)</i>	<i>University of Indonesia</i>	<i>1997</i>
	<i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i>	<i>1993</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>- Associate Professor</i> <i>- Postdoctoral Research Associate (University of North Dakota, USA)</i>	<i>2008 - present</i> <i>2006-2008</i>	
Research projects or focus	<i>modeling of strongly-correlated systems such as manganites, cuprates, and dilute magnetic semiconductors, and recently, also graphene, to predict their thermodynamic, transport, and optical properties.</i>		
Research collaborations over the last 5 years	<i>-</i>		

Patents and proprietary rights	-
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	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
Important publications over the last 5 years	Effects of screened Coulomb interaction on spin transfer torque	Physical Review B	2021/ 103, 094420 DOI: 10.1103/PhysRevB.103.094420	Corresponding Author
	Role of hybridization and on-site correlations in generating plasmons in strongly correlated La ₂ CuO ₄	Physical Review B	2020/ 101, 20, DOI: 10.1103/PhysRevB.101.201102	Co-Author
	Spin-Current Control by Induced Electric Polarization Reversal in Ni/hBN/Ni: A Cross-Correlation Material	ACS Applied Electronic Materials	2020/ 2, 6 DOI: 10.1021/acsaelm.0c00238	Co-Author
Total publication over the last 5 years (2016-2021)	56			
Orchid ID	https://orcid.org/ 0000-0002-0613-1293			
Scholar UI	https://scholar.ui.ac.id/en/persons/muhammad-aziz-majidi			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	<i>Prof. Dr. rer.nat. Rosari Saleh</i>		
Position	<i>Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Professor</i>	<i>University of Indonesia</i>	<i>2007</i>
	<i>Doctor (physics)</i>	<i>Philipps Universitat zu Marburg Physics, Germany</i>	<i>1990</i>
	<i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i>	<i>1985</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Professor</i>	<i>2007-now</i>	
Research projects or focus	<i>the synthesis and analysis of the physical properties of nanoparticle systems.</i>		

Research collaborations over the last 5 years	-
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Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Photocatalytic decomposition of methylene blue by persulfate-assisted Ag/Mn ₃ O ₄ and Ag/Mn ₃ O ₄ /graphene composites and the inhibition effect of inorganic ions	Environmental Nanotechnology, Monitoring and Management	2021/ 15, 100408 DOI: 10.1016/j.enmm.2020.100408	Co-Author
	Ultraviolet- and visible-light photocatalytic and sonophotocatalytic activities toward Congo red degradation using Ag/Mn ₃ O ₄ nanocomposites	Materials Science in Semiconductor Processing	2021/ 121, 105371 DOI: 10.1016/j.mssp.2020.105371	Co-Author
	Characterization and photocatalytic activity of Ag/Mn ₃ O ₄ /graphene composites under visible light irradiation for organic dyes degradation	Journal of Environmental Chemical Engineering	2020/ 8, 3 DOI: 10.1016/j.jece.2019.103610	Co-Author
Total publication over the last 5 years (2016-2021)	134			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/rosari-saleh			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	Supriyanto Ardjo Pawiro, Ph.D.
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Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Medical Physics)</i>	<i>Medical University of Vienna</i>	<i>2011</i>
	<i>Master (Medical Physics)</i>	<i>University of Indonesia</i>	<i>2005</i>
	<i>Undergraduate Degree (Physics)</i>	<i>Diponegoro University</i>	<i>2001</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>Dosimetry, Radiotherapy Dosimetry Audit</i>		
Research collaborations over the last 5 years	<i>Prof. Dr.DI. Dietmar Georg (Medical University of Vienna), Hafiz Zin, Ph.D (Universiti Sains Malaysia)</i>		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First / Co- / Corresponding Author)</i>
	Important pharmacokinetic parameters for individualization of ¹⁷⁷ Lu-PSMA therapy: a global sensitivity analysis for a physiologically-based pharmacokinetic model	Med Phys	2021/48(2):556-68.	Co-Author
	Radiation Dose from Dental Radiography in Indonesia: A five-year Survey	Radiation Protection Dosimetry	2019/ 183, 3, DOI: 10.1093/rpd/ncy123	Co-Author
	Current Status of Medical Physics Recognition in SEAFOMP Countries	Medical Physics International Journal	2017/ 5, 1	First Author
Total publication over the last 5 years (2016-2021)	63			
Orchid ID	-			
Scholar UI	https://scholar.ui.ac.id/en/persons/supriyanto-arjo-pawiro			
	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	

Activities in specialist bodies over the last 5 years	• <i>Physical Society of Indonesia</i>	<i>now</i>	<i>Member</i>
	• <i>Indonesian Association of Physicists in Medicine</i>	<i>now</i>	<i>Member</i>
	• <i>American Association of Physicists in Medicine</i>	<i>now</i>	<i>Member</i>

STAFF PROFILE

Name	<i>Surya Darma, S.Si., M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Master (Physics)</i> <i>Undergraduate Degree (physics)</i>	<i>University of Indonesia</i> <i>University of Indonesia</i>	<i>2006</i> <i>2001</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current position</i>	
Research projects or focus	<i>robotics, remote control system (drone), and pattern recognition.</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights	-			
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Implementation of single shot detector for object finding in drone platform	Journal of Physics: Conference Series	2020/ 1528, 012005 DOI: 10.1088/1742-6596/1528/1/012005	Corresponding Author
	Automatic take-off landing quadcopter control on dynamics platform	Journal of Physics: Conference Series	2020/ 1528, 012047 DOI: 10.1088/1742-6596/1528/1/012047	Corresponding Author
	Unmanned aerial vehicle object tracking and following	Journal of Physics: Conference Series	2020/ 1528, 012018 DOI: 10.1088/1742-6596/1528/1/012018	Corresponding Author

Total publication over the last 5 years (2016-2021)	12		
Orchid ID	https://orcid.org/0000-0003-2037-9946		
Scholar UI	https://scholar.google.co.id/citations?user=Ozce74oAAAAJ&hl=en		
Activities in specialist bodies over the last 5 years	Organization	Period	Role (if any)
	Physical Society of Indonesia	Now	Member

STAFF PROFILE

Name	Adhi Harmoko Saputro, S.Si, M. Kom., Ph.D.		
Position	Assistant Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor (Electrical, Electronic and Systems Engineering)	Malaysia National University	2013
	Master (Computer Science)	University of Indonesia	2004
	Undergraduate Degree (Physics)	University of Indonesia	2001
Employment	Position	Period	
	Assistant Professor	Current Position	
Research projects or focus	<div><div>1.</div><div>Intelligence Instrument</div></div> <div><div>2.</div><div>Vision-based Measurement System</div></div> <div><div>3.</div><div>Artificial Intelligence</div></div>		
Research collaborations over the last 5 years	<div><div>•</div><div>Dr. Mohd Asyraf Zulkifley - UKM, Malaysia</div></div> <div><div>•</div><div>Dr. Rohana Binti Abdul Karim - UMP, Malaysia</div></div>		

Patents and proprietary rights				
	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>

Important publications over the last 5 years	Examination system of chicken meat quality based on hyperspectral imaging	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2020/ Vol. 1528/ No.012045. DOI: 10.1088/1742-6596/1528/1/012045 	Co- Author
	Identification system for beeswax on Malang apple using VNIR imaging	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2020/ Vol. 1528/ No.012037. DOI: 10.1088/1742-6596/1528/1/012037 	Corresponding Author
	Prediction system for pH measurement on Brassica oleraceae (Red Cabbage) using machine learning regression	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2020/ Vol. 1528/ No.012050. DOI: 10.1088/1742-6596/1528/1/0120450 	Corresponding Author
Total publication over the last 5 years (2016-2021)	20			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/adhi-harmoko/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<ul style="list-style-type: none"> <i>Physical Society of Indonesia</i> <i>IEEE</i> <i>HFI</i> 	<i>Now</i> <i>Now</i> <i>Now</i>	<i>Member</i> <i>Member</i> <i>Member</i>	

STAFF PROFILE

Name	<i>Akbar Azzi, M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Master (Physics)</i> <i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i> <i>University of Indonesia</i>	<i>2018</i> <i>2015</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	
Research projects or focus	<i>Radiotherapy</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Comparison of Air-Gaps Effect in a Small Cavity on Dose Calculation for 6 MV Linac	<i>Journal of Biomedical Physics and Engineering</i>	2021/ Vol. 11, Issue 1	First Author
	A Monte Carlo Study of Photon Beam Characteristics on Various Linear Accelerator Filters	<i>Journal of Biomedical Physics and Engineering</i>	2020	Co-Author
	The characteristics of small field beam quality and output factor of 6 MV FFF	<i>Journal of Physics: Conference Series</i>	2021/ Vol. 1248/ No.1 / 012076.	First Author
Total publication over the last 5 years (2016-2021)	6			
Orchid ID	https://orcid.org/0000-0001-7161-0453			
Scholar UI	https://physics.ui.ac.id/akbar-azzi/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<ul style="list-style-type: none"> <i>Physical Society of Indonesia</i> <i>Indonesian Association of Physicists in Medicine</i> 	Now Now	Member Member	

STAFF PROFILE

Name	<i>Anawati, M.Sc., Ph.D.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Materials Technology)</i>	<i>Bandung Institute of Technology</i>	<i>2011</i>
	<i>Master (Engineering Advanced Materials)</i>	<i>Chalmers University of Technology</i>	<i>2005</i>
Employment	<i>Undergraduate Degree (Physics)</i>	<i>Norwegian University of Science and Technology</i>	<i>2002</i>
	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>2018-Now</i>	

Research projects or focus	<i>Materials Science: Plasma Electrolytic Oxidation</i>
Research collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>LIPI</i> • <i>BPPT</i> • <i>BATAN</i>

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Creep and electrochemical corrosion behavior of heat-treated mg-9al-1zn alloy	Journal of Engineering and Technological Sciences	<ul style="list-style-type: none"> • 2020/ Vol.52 : 609-620. DOI: 10.5614/j.eng.technol.sci.2020.52.5.1 	Corresponding Author
	Effect of additive ethylene glycol on morphology and mechanical hardness of anodic oxide film formed on AA7075	Journal of Physics : Confrence Series	<ul style="list-style-type: none"> • 2019/ Vol. 1191/ No. 012033 DOI: 10.1088/1742-6596/1191/1/012033 • 	Corresponding Author
	Enhanced Growth Rate of Anodized Film on Al with Addition of Ethylene Glycol	Journal of Physics : Confrence Series	<ul style="list-style-type: none"> • 2019/ Vol. 1191/ No. 012060 DOI: 10.1088/1742-6596/1191/1/012060 	Corresponding Author
Total publication over the last 5 years (2016-2021)	22			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/anawati/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<ul style="list-style-type: none"> • <i>Physical Society of Indonesia</i> 	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dede Djuhana, M.Si., Ph.D</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
	<i>Program</i>	<i>Institution</i>	<i>Year</i>

Academic career	<i>Doctor (Physic)</i> <i>Master (Physic)</i> <i>Undergraduate Degree (Physic)</i>	<i>Chungbuk National University</i> <i>University of Indonesia</i> <i>University of Indonesia</i>	<i>2010</i> <i>2003</i> <i>1999</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Associate Professor</i> <i>Directure of Research & Development</i> <i>Head of subdirectorate of Planning & development research</i> <i>Manager of Research coordination</i>	<i>Current Position</i> <i>2020-now</i> <i>2015-2020</i> <i>2014-2015</i>	
Research projects or focus	<i>1. Micromagnetic simulation</i> <i>2. Optical simulation</i>		
Research collaborations over the last 5 years	<ul style="list-style-type: none"><i>Indonesia Collaboration Research (PPKI), Observation of the spin wave from domain-wall type Bloch wall using micromagnetic simulation, Rp 50 million, support from WCU project, Partner: UNS & UGM, year 2021</i><i>The excellence basic research (PDUPT), Investigation of domain wall in Co and Fe based ferromagnetic using micromagnetic simulation, RistekBrin (2019-2021), Rp 318 million, Partner: Chungbuk National University</i><i>The Doctoral program (PD), Investigation the domain wall dynamic and structure based on Co and Fe material using micromagnetic simulation, Ristekbrin (2020-2021), Rp 107,9 million, Partner: Chungbuk National University.</i><i>UI grant (PIT9), Micromagnetic simulation CoFe, CoFeB and Plasmonic simulation LSPR, DRPM, Rp 180 million, Partner: Chungbuk National University</i>		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Enhanced photocatalytic degradation of rhodamine 6 G (R6G) using ZnO–Ag nanoparticles synthesized by pulsed laser ablation in liquid (PLAL)	Journal of Alloys and Compounds	2021/ No. 161291	Corresponding Author
	Magnetic susceptibility and curie temperature of Co1-xFex alloy nanocube and nanosphere using micromagnetic simulation	Journal of Physics: Conference Series	<ul style="list-style-type: none"> • 2021/ Vol. 1825/ No.012003. DOI : 10.1088/1742-6596/1825/1/012003 	Corresponding Author

	Recent Advances on Plasmon-enhanced Titania Nanocatalysts for Photocatalytic Degradation of Organic Dyes	Journal of the Indonesian Chemical Society 3	2021/Vol. 3/Pages : 117-117	Corresponding Author
Total publication over the last 5 years (2016-2021)	15			
Orchid ID	https://orcid.org/0000-0002-2025-0782			
Scholar UI	https://physics.ui.ac.id/dede-djuhana/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. Adam Badra Cahaya</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Physics)</i>	<i>Tohoku University, Sendai, Japan</i>	<i>2018</i>
	<i>Master (Physics)</i>	<i>Tohoku University, Sendai, Japan</i>	<i>2014</i>
	<i>Undergraduate Degree (Physics)</i>	<i>Tohoku University, Sendai, Japan</i>	<i>2012</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	
Research projects or focus	<i>Theoretical Condensed Matter Physics</i>		
Research collaborations over the last 5 years	<ul style="list-style-type: none">• <i>Alejandro O. Leon (Metropolitan University of Technology, Chile),</i>• <i>Gerrit E.W. Bauer (Tohoku University, Japan and University of Groningen, Netherlands)</i>		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Equilibrium current vortices in simple metals doped with rare earths	Physics Review B	<ul style="list-style-type: none"> 2021/ Vol. 103/ 064433. DOI : 10.1103/PhysRevB.103.064433 	First Author
	Manipulation of the RKKY exchange by voltages	Physics Review B	<ul style="list-style-type: none"> 2019/ Vol. 100/ 014403. DOI : 10.1103/PhysRevB.100.014403 	Co- Author
	Voltage Control of Rare-Earth Magnetic Moments at the Magnetic-Insulator-Metal Interface	Physical Review Letters	<ul style="list-style-type: none"> 2018/ Vol. 120/ 027201. DOI: 10.1103/PhysRevLett.120.027201 	Co-Author

Total publication over the last 5 years (2016-2021)	12		
Orchid ID	-		
Scholar UI	https://physics.ui.ac.id/adam-cahaya/		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>
	Indonesian Magnetic Society	Now	Member
	Indonesian Theoretical Physicist Group	Now	Member
	Physical Society of Indonesia	Now	Member

STAFF PROFILE

Name	<i>Dr. Bambang Soegijono, M.Si.</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Material Science)</i>	<i>Ecole Central de Lyon</i>	<i>2015</i>
	<i>Master (Material Science)</i>	<i>University of Indonesia</i>	<i>1994</i>
	<i>Undergraduate Degree (Physic)</i>	<i>University of Indonesia</i>	<i>1991</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Associate Professor</i> <i>Assistant Professor</i>	<i>2012-Now</i> <i>1996-2012</i>	
Research projects or focus	<i>Ceramic and Metal Materials</i>		
Research collaborations over the last 5 years	<ul style="list-style-type: none"><i>Prof Dr, Didier Fasquelle</i><i>Université du Littoral Côte d'Opale, France</i>		

Patents and proprietary rights				
	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Micromagnetic investigation of the sub-nanosecond magnetic pulse driven domain wall motion in CoFeB nanowire	Applied Physics	2021/ Vol. 27/ Pages : 98-102	Co-Author

Important publications over the last 5 years	Effect of Carbon and Organoclay Fillers on Partial Discharge and Corrosion Properties of Polyurethane Base Composite Coated on Aluminum Alloy	e-Journal of Surface Science and Nanotechnology	<ul style="list-style-type: none"> 2020/ Vol. 18/ Pages : 300-306 	Corresponding Author
	Preparation and characterization of polyurethane/ carbon/ organoclay composite for coating of aluminum conductor overhead lines	e-Journal of Surface Science and Nanotechnology	<ul style="list-style-type: none"> 2020/ Vol. 18/ Pages : 62-69 	Co-Author
Total publication over the last 5 years (2016-2021)	119			
Orchid ID	https://orcid.org/0000-0002-5190-7943			
Scholar UI	https://physics.ui.ac.id/bambang-soegijono/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	Dr. Budhy Kurniawan R., M.Si.		
Position	Assistant Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor	Tokyo Institute of Technology Physics Tokyo	2000
	Master	University of Indonesia	1995
	Undergraduate Degree (Physics)	University of Indonesia	1992
Employment	Position	Period	
	Assistant Professor	Current Position	
Research projects or focus	Nanoparticle		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>

Important publications over the last 5 years	Space group and morphology evolution of nanosized $\text{Nd}(\text{x})\text{Sr}(1-\text{x})\text{MnO}_3$ ($\text{x} = 0.3; 0.7$ and 0.9) manganite	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/ Vol. 1825/ No. 012056 DOI: 10.1088/1742-6596/1825/1/012056 	Co-Author
	Elemental analysis and the impact of Sr substitution on magnetic properties of $\text{Nd}_{(1-\text{x})}\text{Sr}_{(\text{x})}\text{MnO}_3$ ($\text{x} = 0; 0.5$ and 1) perovskite manganite	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2020/ Vol. 1816/ No. 012042 DOI: 10.1088/1742-6596/1816/1/012042 	Co-Author
	Crossover critical behavior and magnetic entropy change of $\text{La}_{0.7}\text{Ba}_{0.1}\text{Ca}_{0.1}\text{Sr}_{0.1}\text{MnO}_3$: A comparison between wet-mixing and sol-gel synthesis methods	Jornal of Physica B: Condensed Matter	<ul style="list-style-type: none"> 2020/ Vol. 592 /No. 412227. DOI: 10.1016/j.physb.2020.412227 	Co-Author
Total publication over the last 5 years (2016-2021)	95			
Orchid ID	https://orcid.org/0000-0002-9203-7438			
Scholar UI	https://physics.ui.ac.id/budhy-kurniawan/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. Djati Handoko, S.Si., M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Physics)</i>	<i>Chungbuk National University</i>	<i>2015</i>
	<i>Master (Physics Science)</i>	<i>University of Indonesia</i>	<i>2001</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1994</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>2018-Now</i>	
Research projects or focus	<div><div>1.</div><div>Magnetic material</div></div> <div><div>2.</div><div>Nano particles sensor</div></div> <div><div>3.</div><div>Instrumentations</div></div>		
Research collaborations over the last 5 years	<div><div>•</div><div>Prof Dong-Hyun Kim, Physics Department, Chungbuk National University, South Korea.</div></div> <div><div>•</div><div>Dr Duy Truong Quach, University of Transport and Communications, Vietnam.</div></div>		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Space group and morphology evolution of nanosized Nd(x)Sr(1-x)MnO ₃ (x = 0.3; 0.7 and 0.9) manganite	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/Vol. 1825 : 012056. DOI : 10.1088/1742-6596/1825/1/012056 	Corresponding Author
	Temperature and water level control in a multi-input, multi-output process using neuro-fuzzy controller	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/Vol. 1816 : 012022. DOI : 10.1088/1742-6596/1816/1/012022 	Co-Author
	Nanometer-scale local probing of X-ray absorption spectra of Co/Pt multilayer film	Journals of Physica B : Condensed Matter	2017/DOI: https://doi.org/10.1016/j.physb.2017.05.051	Co-Author
Total publication over the last 5 years (2016-2021)	31			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/djati-handoko/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	<i>Dr.sc.hum. Deni Hardiansyah, S.Pd., M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Medical Physics)</i>	<i>Medical Radiation Physics/Radiation Protection, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany</i>	<i>2013-2016</i>
	<i>Master (Physics)</i>	<i>Department of Physics, Faculty of Mathematic and Natural Sciences, Institut Teknologi Bandung, Indonesia</i>	<i>2011-2013</i>
	<i>Undergraduate Degree (Physics)</i>	<i>Department of Physics, Faculty of Mathematic and Natural Sciences, Universitas Pendidikan Indonesia, Indonesia.</i>	<i>2006-2010</i>

Employment	<i>Position</i>	<i>Period</i>
	<i>Assistant Professor</i>	<i>2019-Now</i>
Research projects or focus	<ol style="list-style-type: none"> 1. <i>Medical Physics</i> 2. <i>Nuclear Medicine</i> 3. <i>Molecular Radiotherapy</i> 4. <i>Peptide-Receptor Radionuclide Therapy (PRRT)</i> 5. <i>Peptide Specific Membrane Antigen (PSMA) Therapy</i> 6. <i>Molecular/Functional Imaging</i> 7. <i>Pharmaceutical Sciences</i> 8. <i>Physiologically-Based Pharmacokinetic (PBPK) Modeling</i> 9. <i>Quantitative Systems Pharmacology (QSP) Modeling</i> 	
Research collaborations over the last 5 years	<i>Ulm University, Germany</i>	

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Important pharmacokinetic parameters for individualization of ¹⁷⁷ Lu-PSMA therapy: a global sensitivity analysis for a physiologically-based pharmacokinetic model	Med Phys	<ul style="list-style-type: none"> • 2021/48(2):556-68. 	First Author
	Performance assessment of the ALBIRA II pre-clinical SPECT S102 system for ^{99m} Tc imaging	Ann Nucl Med	2021/35(1):111-20	First Author

the last 5 years	Quantitative Pharmacology and Individualized Therapy Strategies in Development of Therapeutic Proteins for Immune-Mediated Inflammatory Diseases. Chapter: Quantitative Pharmacology Approach to Select Optimal Dose and Study the Important Factors in Determining Disposition of Therapeutic Monoclonal Antibody in Pediatric Subjects – Some Considerations	Books chapter	<ul style="list-style-type: none"> 2019/ ISBN: 978-1-119-28919-7 	First Writer
Total publication over the last 5 years (2016-2021)	17			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/deni-hardiansyah/			
Activities in specialist bodies over the last 5 years	Organization		Period	Role (if any)
	<ul style="list-style-type: none"> Physical Society of Indonesia Indonesian Association of Physicists in Medicine European Association of Nuclear Medicine (EANM) 		Now Now Now	Member Member Member

STAFF PROFILE

Name	Dr. Dwi Seno Kuncoro Sihono, S.Si., M.Si.		
Position	Assistant Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor	Heidelberg University Medical Physics Mannheim, Jerman	2020
	Master (Material Science)	University of Indonesia	2004
	Undergraduate Degree (Physics)	University of Indonesia	2001
Employment	Position	Period	
	Assistant Professor	Current Position	
Research projects or focus	Radiotherapy Dosimetry		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Ultrasound-based repositioning and real-time monitoring for abdominal SBRT in DIBH	Physica Medica	<ul style="list-style-type: none"> 2019/ Vol. 65 / Pages : 46-52. DOI: 10.1016/j.ejmp.2019.08.003 	Co-Author
	Characterization and clinical evaluation of a novel 2D detector array for conventional and flattening filter free (FFF) IMRT pre-treatment verification	Zeitschrift fur Medizinische Physik	<ul style="list-style-type: none"> 2018/ Vol. 28 / No. Pages : 134 – 141. DOI : 10.1016/j.zemedi.2017.08.003 	Co-Author

	Determination of Intrafraction Prostate Motion During External Beam Radiation Therapy With a Transperineal 4-Dimensional Ultrasound Real-Time Tracking System	International Journal of Radiation Oncology Biology Physics	2018/ Vol. 101/ Pages : 136-134 .	First Author
Total publication over the last 5 years (2016-2021)	5			
Orchid ID	https://orcid.org/0000-0001-5919-4012			
Scholar UI	https://physics.ui.ac.id/dwi-seno/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>		<i>Period</i>	<i>Role (if any)</i>
	<ul style="list-style-type: none"> Physical Society of Indonesia Indonesian Association of Physicists in Medicine 		Now Member	Member Member

STAFF PROFILE

Name	<i>Dr. rer. nat. Agus Salam, S.Si., M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor</i>	<i>Johannes Gutenberg Universitaet Kernphysik Mainz</i>	<i>2003</i>
	<i>Master (Physics)</i>	<i>University of Indonesia</i>	<i>1998</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1994</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	
Research projects or focus	<div><div>1.</div><div>Photoproduction</div></div> <div><div>2.</div><div>Interaction of Meson</div></div>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Nonrelativistic one-hadron-exchange k-p interaction model	Journal of Physics: Confrence Series	2021/ Vol. 1751 / 012073. DOI : 10.1088/1742-6596/1751/1/012073	Co- Author

publications over the last 5 years	One-Hadron-Exchange K-p interaction model in nonrelativistic energy region	Journal of Physics: Conference Series	2021/ Vol. 1816 / 012040. DOI : 10.1088/1742-6596/1816/1/012040	Co-Author
	One hadron exchange non-relativistic model for K ⁺ p potential	Journal of Physics: Conference Series	2021/ Vol. 1751 / 012076. DOI : 10.1088/1742-6596/1751/1/012076	Corresponding Author
Total publication over the last 5 years (2016-2021)	25			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/agus-salam/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	<i>Dr. techn. Djoko Triyono, S.Si., M.Si.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor</i>	<i>Tech Univ Vienna Austria</i>	<i>2003</i>
	<i>Master (Material Science)</i>	<i>University of Indonesia</i>	<i>1998</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1992</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	
Research projects or focus	<i>Nanoparticle</i>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	A comparative study of temperature dependent impedance analysis for $\text{AFe}_{0.97}\text{Zr}_{0.03}\text{O}_3$ (A = La, Bi) compounds	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/ Vol. 1816 / No. 012066 . 	Co-Author
	Calcination temperature dependence on the structural and electrical properties of bismuth orthoferrite (BiFeO_3) ceramics	Journal of Optoelectronics and Advanced Materials	2021/Vol.23 : 86-93	Corresponding Author
	Surface temperature changes of the crater of Agung Volcano from Landsat-8 TIRS during 2017-2018 eruption	Journal of Physics: Conference Series	2020/ Vol. 1528 / No. 012052 .	Co-Author
Total publication over the last 5 years (2016-2021)	29			
Orchid ID	https://orcid.org/0000-0001-8328-7331			
Scholar UI	https://physics.ui.ac.id/djoko-triyono/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	<i>Dra. Ariadne Lakshmidevi, M.Eng., Ph.D</i>		
Position	<i>Associate Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Materials Engineering)</i>	<i>Monash University</i>	<i>2005</i>
	<i>Master (Materials Science and Engineering)</i>	<i>University of South Australia</i>	<i>1996</i>
	<i>Undergraduate Degree (Physics)</i>	<i>Bandung Institute of Technology</i>	<i>1987</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Associate Professor</i>	<i>Current Position</i>	
Research projects or focus	<div><div>3.</div><div><i>Nanocomposites</i></div></div> <div><div>4.</div><div><i>Composites and green composites for structural application</i></div></div> <div><div>5.</div><div><i>Modification and characterization of clay for catalyst</i></div></div>		

Research collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Seto Roseno (Agency for the Assessment and Application of Technology /BPPT Indonesia)</i> • <i>Yuni K. Krisnandi (Department of Chemistry, Faculty of Mathematics and Natural Sciences, UI)</i> • <i>Sutarno (Department of Metallurgy Engineering, Faculty of Engineering, s Jendral-Achmad Yani University, Bandung, Indonesia).</i>
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Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Effect of ultrasonic treatment on the preparation of zirconia pillared bentonite as a catalyst	Journal of Physics: Conference Series	2021/ Vol. 1951,/ 012017	Corresponding Author
	Morphology of proximal cortical epiphysis bone of ovariectomized rattus norvegicus	Turk Osteoporoz Dergisi	<ul style="list-style-type: none"> • 2021/Vol. 26/ Pages : 169-174. DOI : 10.4274/TOD.GALENOS.2020.36002 	Co-Author
	Bamboo fibers, fabrication of bamboo fiber reinforced composites, and their mechanical properties-a review	International Journal of Emerging Trends in Engineering Research	<ul style="list-style-type: none"> • 2020/Vol. 8/Pages : 2346-2359. DOI : 10.30534/ijeter/2020/24862020 	Co-Author
Total publication over the last 5 years (2016-2021)	52			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/ariadne-lakshmidevi/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	<i>Dr. Arief Sudarmaji, M.T.</i>		
Position	<i>Assistant Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor (Physics)</i>	<i>University of Indonesia</i>	<i>2014</i>
	<i>Master (Electrical Engineering)</i>	<i>University of Indonesia</i>	<i>2003</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1993</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	

Research projects or focus	<ol style="list-style-type: none"> 1. <i>Radiotherapy dosimetry</i> 2. <i>Microcontroller</i>
Research collaborations over the last 5 years	-

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Design of magneto-optic characterization properties of vegetable oil using Faraday rotation method based on microcontroller	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/ Vol. 729/No. 012011. DOI: 10.1088/1755-1315/729/1/012011 	Corresponding Author
	Calibration of mechanical systems of in-house dynamic thorax phantom for radiotherapy dosimetry	Journal of Physics: Conference Series	<ul style="list-style-type: none"> 2021/ Vol. 71528/ No. 012064. DOI: 10.1088/1742-6596/1528/1/012064 	Co-Author
	Design and Calibration of a Microfluidic Syringe System for Nanofiber Electrospinning	EECCIS 2020 Series	2020/ ISBN: 9781728171098, Pages : 163-167	Co-Author
Total publication over the last 5 years (2016-2021)	20			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/arief-sudarmaji/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	Physical Society of Indonesia	Now	Member	

STAFF PROFILE

Name	<i>Efta Yudiarsah, Msi., Ph.D.</i>
Position	<i>Assistant Professor of Physics</i>
Lectures	<i>Physics</i>

	<i>Program</i>	<i>Institution</i>	<i>Year</i>
Academic career	<i>Doctor</i>	<i>Ohio University Physics USA</i>	<i>2008</i>
	<i>Specialist Program (Incompressible Physics)</i>	<i>The Abdussalam ICTP Italy</i>	<i>2002</i>
	<i>Master (Physics)</i>	<i>University of Indonesia</i>	<i>2000</i>
	<i>Undergraduate Degree (Physics)</i>	<i>University of Indonesia</i>	<i>1997</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Assistant Professor</i>	<i>Current Position</i>	
Research projects or focus	<div><div>1.</div><div>2.</div><div>3.</div><div>4.</div><div>5.</div></div> <div><div><i>Transport Properties of Molecules</i></div><div><i>Vibrational Effect on the Transport Properties of Molecules</i></div><div><i>Spin Transport</i></div><div><i>Magnetic and Semiconductor Materials</i></div><div><i>Nonlinear Dynamic</i></div></div>		
Research collaborations over the last 5 years	-		

Patents and proprietary rights				
Important publications over the last 5 years	Title	Journal, Proceeding, Books Chapter	Years/Volume/No	First /Co- / Corresponding Author)
	I-V characteristic of Poly(dA)-poly(dT) DNA molecule: The role of internal electric field	Journal of Physics: Conference Series	• 2021/ Vol. 1816 /. DOI: 10.1088/1742-6596/1816/1/012060	First Author
	The electrical properties of poly(dA)-poly(dT) DNA molecule: Electrical current influenced by magnetic field and electric field	Journal of Physics: Conference Seriesg	• 2021/ Vol. 1816 : 012055 /. DOI: 10.1088/1742-6596/1816/1/012055	First Author
	Transmission Probability Studies and IV Characteristics on G4 . DNA Molecules	PENDIPA Journal of Science Education	2020	First Author
Total publication over the last 5 years (2016-2021)	27			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/efra-yudiarsah/			
Activities in	Organization	Period	Role (if any)	

specialist bodies over the last 5 years	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>
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STAFF PROFILE

Name	Prof. Dr. A. Harsono Soepardjo, M.Eng		
Position	Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor	University of Indonesia	2000
	Master	Katholieke Universiteit Leuven Electrical Engineering Belgium	1985
	Undergraduate Degree	Universite Montpellier Sciences Electronique Francaise	1976
Employment	Position	Period	
	Professor	Current Position	
Research projects or focus	1. Photovoltaic 2. Material Physics 3. Solar Energy		
Research collaborations over the last 5 years			

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Impact of a El-Nino Southern Oscillation (ENSO) to Fluctuation of Skipjack Catch Production in Southern East Java	IOP Publishing	2019/ Vol. 1217/ No. 1	Co-Author
	Seaweed Utilization for Phytoremediation of Litopenaeus vannamei Shrimp Farming Waste in Recirculation Systems (Environmentally Friendly Design of Sustainable	Springer, Singapore	2017/ Pages: 145-158/ ISBN: 9789811054303. DOI: 10.1007/978-981-10-5430-3	First Author

	Marine Ecosystem Sustainability Post-Mine Closure Activities (Macrobenthos Dynamics Study Due to the Influence of Tailing Disposal in Buyat Bay, Minahasa, Indonesia)	Springer, Singapore	2017/ Pages: 115-126/ ISBN: 9789811054303. DOI: 10.1007/978-981-10-5430-3	First Author
Total publication over the last 5 years (2016-2021)	10			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/a-harsono/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	Prof. Dr. Azwar Manaf, M.Met.		
Position	Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor	University of Sheffield Engineering Materials UK	1992
	Master	University of Sheffield Engineering Materials UK	1988
	Master	KUL Metallurgical Engineering Belgium	1987
	Undergraduate Degree (Physics)	Gadjah Mada University	1982
Employment	Position	Period	
	Professor	Current Position	
	Certified Lecturer	2018	
	Head of Study Program of Physics	206-2008	
Research projects or focus	1. Photovoltaic 2. Material Physics 3. Solar Energy		
Research collaborations over the last 5 years			

Patents and proprietary rights				
	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>

Important publications over the last 5 years	Effect of annealing on the structural and magnetic properties of $\text{SrFe}_{12}\text{O}_{19}$ - CoFe_2O_4 nanocomposites	International Journal of Nanoelectronics and Materials	2020/ Vol. 13. DOI: http://www.scopus.com/inward/record.url?scp=85090626089&partnerID=8YFLogxK	Corresponding Author
	Influence of CNTs addition on structural and superconducting properties of mechanically alloyed MgB_2	Journal of Metals, Materials and Minerals	• 2021/ Vol. 30/ DOI: 10.14456/jmmm.2020.32	Corresponding Author
	Physical and microwave absorption characteristics of high powered ultrasonically irradiated crystalline $\text{BaFe}_9\text{Mn}_{1.5}\text{Ti}_{1.5}\text{O}_{19}$ particles	International Journal of Technology	2020/ Vol. 2011/ Pages : 310-321	Corresponding Author
Total publication over the last 5 years (2016-2021)	81			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/azwar-manaf/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	

STAFF PROFILE

Name	Prof. Dr. Drs. Anto Sulaksono, M.Si		
Position	Professor of Physics		
Lectures	Physics		
Academic career	Program	Institution	Year
	Doctor (Theoretical Nuclear Physics)	Frankfurt University	2002
	Master(Physics)	University of Indonesia	1996
	Undergraduate Degree (Physics)	University of Indonesia	1992
Employment	Position	Period	
	Professor Academic Staff	Current Position Since 1994	
Research projects or focus	1. Nuclear matter 2. Physics of compact objects 3. Modified gravity theory		
Research collaborations over the last 5 years	• H. A. Kassim (UM) • H. S. Ramadhan (UI) • A. Suroso (ITB) • A. B. Wahidin (ITERA) • I. Belfaqih (SU) • D. Danarianto (LAPAN) • A. M. Setiawan (UNM) • N. Lilliani (UI-45) • J. P. Diningrum (UI-45)		

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	White dwarfs and generalized uncertainty principle	International Journal of Modern Physics D	• 2021. DOI: 10.1142/S0218271821500644	Corresponding Author
	Anisotropic neutron stars with hyperons: implication of the recent nuclear matter data and observations of neutron stars	European Physical Journal C	• 2020/ Vol. 80 : 769. DOI: 10.1140/epjc/s10052-020-8361-4	Co-Author
	Gravitational wave echoes from quark stars	Journal of Physics: Conference Series	• 2020/ Vol. 1572/No. 012034. DOI : 10.1088/1742-6596/1572/1/012034	Corresponding Author
Total publication over the last 5 years (2016-2021)	66			
Orchid ID	-			
Scholar UI	https://physics.ui.ac.id/anto-sulaksono/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>		<i>Period</i>	<i>Role (if any)</i>
	<ul style="list-style-type: none"> Physical Society of Indonesia HFI GFTI 		Now Now Now	Member Member Member

STAF PROFILE

Name	<i>Prof. Dr. rer. nat. Abdul Haris</i>		
Position	<i>Professor of Physics</i>		
Lectures	<i>Physics</i>		
Academic career	<i>Program</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctor</i>	<i>University of Kiel Geofisika Jerman</i>	<i>2002</i>
	<i>Master</i>	<i>University of Indonesia</i>	<i>1985</i>
	<i>Undergraduate Degree</i>	<i>University of Indonesia</i>	<i>1976</i>
Employment	<i>Position</i>	<i>Period</i>	
	<i>Professor</i>	<i>Current Position</i>	
	<i>Dean of Faculty of Math and Science</i>	<i>2014 – 2018</i>	
	<i>University of Indonesia</i>		
	<i>General secretary of Faculty of Math and Science</i>	<i>2014 – 2016</i>	
	<i>University of Indonesia, MIPA National Forum</i>		
	<i>Vice President for Certificatio, HAGI</i>	<i>2009 – 2012</i>	
	<i>Secretary of of Faculty of Math and Science</i>	<i>2008 – 2013</i>	
	<i>University of Indonesia</i>		
	<i>Research and Community Service Manager</i>	<i>2004 – 2008</i>	
	<i>Secretary of Physics Magister Program</i>	<i>2003</i>	

Research projects or focus	<i>Geophysics</i>
Research collaborations over the last 5 years	

Patents and proprietary rights				
Important publications over the last 5 years	<i>Title</i>	<i>Journal, Proceeding, Books Chapter</i>	<i>Years/Volume/No</i>	<i>First /Co- / Corresponding Author)</i>
	Facies probability application for gas reservoir characterization	Journal of Physics: Conference Series	• 2021/ Vol. 1882 : 012011. DOI: 10.1088/1742-6596/1882/1/012011	Corresponding Author
	Non stretching NMO (Normal-Moveout) correction with DTW (Dynamic Time Warping) algorithm, study case: Shallow target seismic	Journal of Physics: Conference Series	• 2021/ Vol. 1882 : 012015. DOI: 10.1088/1742-6596/1882/1/012015	Co-Author
	Reservoir characterization using J-attribute as a new attribute to reduce ambiguity in predicting reservoirs	Journal of Physics: Conference Series	• 2021/ Vol. 1882 : 012008. DOI: 10.1088/1742-6596/1882/1/012008	Corresponding Author
Total publication over the last 5 years (2016-2021)	42			
Orchid ID	https://orcid.org/0000-0001-9758-0782			
Scholar UI	https://physics.ui.ac.id/abdul-haris/			
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Period</i>	<i>Role (if any)</i>	
	<i>Physical Society of Indonesia</i>	<i>Now</i>	<i>Member</i>	