

Staff Handbook

Name	Dr. Oka Saputra, M.Pd.		
Post	The doctoral program in science education		
Academic career			
Academic	Institution	Year	
Initial Academic Appointed as lecturer/instructor in Physics Educations			
Doctoral	Universitas Pendidikan Indonesia	2017-2020	
Postgraduate of Science Education	Universitas Tadulako	2015-2017	
Bachelor of Physics Education	Universitas Tadulako	2010-2022	
Employment			
Position	Employer	Period	
Professor	Universitas Negeri Surabaya		
Assistant Professor	Universitas Negeri Surabaya		
Lecturer/ Instructor	Universitas Negeri Surabaya		
Research and development projects over the last 5 years			
Name of Project or Research	Period	Partner (Mitra/ if applicable)	Amount of Financing
Development Of Course Learning Plan For The Study Program Of Physics Education S-1 Using The Team Based Project Method	2023		Idr 20.000.000 (€ 1,030)
Prospective Physics Teachers' Perception Of Torricelli's Theorem In Learning Static Fluid Using The Video Analysis Tracker Method	2023		Idr 17.000.000 (€ 875,56)
Development Of The 5e-Pow (Predict-Observe-Write) Learning Model Used By Virtual Simulation To Reduce The Quantity Of Misconceptions Of Prospective Student Teacher On The Topic Of Fluids	2023		Idr 17.000.000 (€ 875,56)
Analysis Of Students' Scientific Paper Writing Errors: A Case Study At The Family Of Mipa, State University Of Surabaya	2024		Idr 20.000.000 (€ 1,030)

Renewable Energy Learning Technology (Relt): A Tool For Communicating Renewable Energy In Ksdal Lectures	2024		Idr 20.000.000 (€ 1,030)
Creative Digital Media Based On Virtual Reality In Strengthening Ecoethnophysics Learning To Support The Sustainable Development Goals (Sdgs)	2024		IDR 113.200.000 (€ 5,830)
Development Of The 7e-Pow (Predict-Observewrite) Learning Model Used By Virtual Simulation To Reduce The Quantity Of Prospective Teacher Misconceptions On The Topic Of Fluids	2024		Idr 45.000.000 (€ 2,317)
Development Of The 7e-Pow (Predict-Observe-Write) Learning Model Used By Virtual Simulation To Reduce The Quantity Of Misconceptions Of Prospective Student Teacher On The Topic Of Fluids	2024		Idr 45.000.000 (€ 2,317)
Pioneer Development Of Smart Physics Interactive Educational Tools “Spinet”: Digital Learning Innovation In The Implementation Of The Independent Curriculum	2024		Idr 75.000.000 (€ 3,862)
Development Of Interactive Physics Multimedia Oriented On Local Culture To Improve Conceptual Understanding	2024		Idr 20.000.000 (€ 1,030)
Industry collaborations over the last 5 years			
Project title		Partners	
-			
Patents and proprietary rights			
Title			Year
Important publications over the last 5 years		Total number= 43.publications total publications since the las 5 year= 32 publications	
Title and Author	Publisher/ Journal name	Publication date	Vol/Issue/ Page Number
The development of 5E-POW (predict-observe-write) learning model assisted by virtual simulation to reduce the quantity of high school students’ misconceptions on fluid topics O Saputra, A Setiawan, D Rusdiana, MA Izzuddin	Journal of Physics: Conference Series	2021	1806 (1), 012030

The analysis of student kinesthetic learning activity on the materials of Compton and photoelectric effects S Saehana, IK Werdhiana, NS Safitri, O Saputra, N Safira	Journal of Physics: Conference Series	2021	2126 (1), 012015
Development of virtual simulation to reduce the number of high school students' misconceptions about fluid topics O Saputra	JPPS (Jurnal Penelitian Pendidikan Sains)	2022	12 (1), 100-107
Improving Critical thinking skills (CTS) of students through wave energy learning project (WELP) on environmental physics lectureA M MSatriawan, R Rosmiati, O Saputra, M Habibbulloh	Journal of Physics: Conference Series	2022	2392 (1), 012038
Identification of Student Misconception about Dynamic Fluid O Saputra	European Online Journal of Natural and Social Sciences	2023	43-52
Analisis Kearifan Lokal Gamelan (Saron) pada Konsep Fisika Gelombang dan Bunyi AB Damarsha, AK Niza, L Fitriyah, UA Deta, S Sulyanah, O Saputra	Jurnal Penelitian Pendidikan Matematika dan Sains	2023	7 (2), 45-50
Identifikasi konsep fisika pada kearifan lokal kesenian tongklek di Indonesia NNA Nasution, C El Shinta, VA Nugraha, A Pramesti, S Sulyanah	Jurnal Penelitian Pendidikan Matematika Dan Sains	2023	7 (2), 64-68
Pengembangan Media Pembelajaran ARDI (AR-Digital Book) Berbasis Augmented Reality 3D Animated Pada Materi Induksi Elektromagnetik A Zakaria, IS Wahyuni, M Satriawan, O Saputra, M Habibbulloh	Inovasi Pendidikan Fisika	2023	12 (2), 54-64
Dasar-Dasar Pengembangan Bahan Ajar: Berorientasi pada Pembelajaran Berbasis Proyek M Anggaryani, M Satriawan, O Saputra, M Habibbulloh	Mitra Edukasi dan Publikasi	2023	
Suitability of Torricelli's theorem formulation in cases of leaking reservoirs with video analysis tracker M Habibbulloh, M Anggaryani, M Satriawan, O Saputra, A Zakaria	Journal of Physics: Conference Series	2023	2623 (1), 012021
KIR training and use of simple science teaching aids for increase understanding	Journal of Dedication in Community	2023	1-8

and motivation teachers and students of MTs YKUI Maskumabang M Munasir, E Hariyono, D Dwikoranto, DH Kusumawati, O Saputra			
Pengolahan limbah ampas teh, cangkang telur dan styrofoam sebagai adsorben untuk meningkatkan kualitas limbah laundry (air deterjen) MT Velina, DHM Wardah, AD Situmeang, O Saputra	Prosiding Seminar Nasional Fisika dan International Physics Seminar	2023	2 (1), 242-249
Development of Predict-Observe-Write (POW) learning model to improve student's understanding of concepts on the topic of fluids O Saputra, M Satriawan, IM Hermanto, M Habibullah, D Lusiyaniti	Journal of Physics: Conference Series	2024	2684 (1), 012005
Interactive Video of Rigid Body Equilibrium in Lamongan Boranan Dance NNA Nasution, HZ Alhusni, W Astutik, M Anggaryani, O Saputra, O Saputra, H V Saphira	JPPS (Jurnal Penelitian Pendidikan Sains)	2024	64-79
Integration of Virtual Simulation of Traditional Kekehan Games on The Material of Moment of Inertia and Angular Momentum AB Damarsha, O Saputra, N Suprpto, E Hariyono	JPPS (Jurnal Penelitian Pendidikan Sains)		51-63
M-LEARNING APLIKASI MIT APP INVENTOR PADA MATERI SISTEM PERSAMAAN LINIER DUA VARIABEL (SPLDV) KELAS VIII SMP NEGERI 2 PONTIANAK TERHADAP KETERAMPILAN BERPIKIR KRITIS O SAPUTRA, M MUCHTADI, S SANDIE	INDO-MATHEDU INTELLECTUALS JOURNAL Учредители: Lembaga Intelektual Muda Maluku	2024	5 (4), 4476-4488
Kajian etnofisika kearifan lokal api tak kunjung padam di Kabupaten Pamekasan LC Alfiah, IF Qiroah, Y Maysaputri, O Saputra	Jurnal Ilmu Pendidikan dan Pembelajaran	2024	2 (2), 84-89
Kearifan Lokal Fisika UA Deta, O Saputra, BK Prahani, N Suprpto	Mitra Edukasi dan Publikasi	2024	
The physics of Gamelan: A study of sound concept in traditional art AB Damarsha, AK Niza, L Fitriyah, UA Deta, Sulyanah, O Saputra	AIP Conference Proceedings	2024	3116 (1), 060047

The physics of “heaven fire”: A study of heat and electricity in local wisdom of Northwestern East Java M Rofi, N Suprpto, LL Sa’diyah, MB Mufti, NS Putri, UA Deta, Sulyanah, .	AIP Conference Proceedings	2024	3116 (1), 060042
How to Promote the Ability of Physics Teaching Materials Development through Team-Based Project Learning? An Action Research Evidence M Anggaryani, M Satriawan, O Saputra, M Habibbulloh	Jurnal Penelitian & Pengembangan Pendidikan Fisika	2024	10 (1), 15-26
Ethnophysics of Klepon: Exploring Physics Concepts in Traditional Pasuruan Snack IJ Sari, R Syafira, YH Zakkiya, R Ambarsari, O Saputra	International Journal of Research and Community Empowerment	2024	2 (2), 48-55
Pendekatan Ekoetnofisika dalam Pembelajaran UA Deta, NA Lestari, MP Edelweiss, O Saputra, A Siregar	Mitra Edukasi dan Publikasi	2024	
Development of multimedia oriented to local wisdom to improve students’ understanding of physics concepts O Saputra, M Satriawan, M Anggaryani, M Habibbulloh, A Kholiq	Journal of Physics: Conference Series	2024	2900 (1), 012046
Development of 4-Tier Diagnostic Fluid Static Test (4T-DFST) to identify profile students’ conception O Saputra, IM Hermanto, AI Safitri, HT Putra, A Nadzirin, D Lusiyaniti	Journal of Physics: Conference Series	2024	2900 (1), 012003
Training on Making Alternative Energy Kits to Support Independent Curriculum Learning for Physics Teachers in Nganjuk Regency M Habibbulloh, I Sucahyo, M Anggaryani, A Kholiq, M Satriawan	Journal of Dedication in Community	2024	2 (2), 1-7
Pre-service physics teachers’ readiness and perceptions in implementing renewable energy-focused STEM learning media to support SDG 7 M Satriawan, M Habibbulloh, R Rosmiati, O Saputra, T Ariwijaya	E3S Web of Conferences	2025	640, 01003
Analysis of High School Students' Physics Literacy Ability Towards the Phenomenon of	Prisma Sains: Jurnal Pengkajian Ilmu dan	2025	

Elasticity Based on the Natural of Science Literacy Test Instrument R Wandhira, T Sunarti, O Saputra, BK Prahani, M Satriawan, HV Saphira	Pembelajaran Matematika dan IPA		
Efektivitas Media Pembelajaran TITANICS (Three-Dimensions Interactive Animation of Thermodynamics) untuk Meningkatkan Hasil Belajar Kognitif Siswa MW Arrahmat, M Anggaryani, O Saputra, B Jatmiko, NF Citra	JPPS (Jurnal Penelitian Pendidikan Sains)	2025	214-226
Analysis of Responses to the Use of Kahoot! Interactive Quiz in High School Students on Black Basic Materials DRZZ Alifah, T Sunarti, O Saputra	Journal of Digitalization in Physics Education	2025	1 (3), 42801-42801
IMPLEMENTASI RENCANA AKSI KOLABORASI (RAK) UNTUK MENINGKATKAN LITERASI NUMERASI SISWA SEKOLAH MENENGAH ATAS (SMP) O Saputra, DW Irani	Seminar Nasional Best Practice Mobilitas Mahasiswa	2025	2 (1), 1-15
Bibliometric Study: Trends of Development Digital Media to Improve 21st Century Students' Skills in Physics Learning MW Arrahmat, M Anggaryani, O Saputra, NM Hulu	Journal of Law and Bibliometrics Studies	2025	1 (2), 89-89
Activities in specialist bodies over the last 5 years			
Organization	Role	Period	
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