

Staff Handbook

Name	Dr. Setyo Admoko, S.Pd., M.Pd.		
Post	Doctor at Science Education (Physics)		
Academic career			
Academic	Institution	Year	
Initial Academic Appointed as lecturer/instructor in Physics Educations	Universitas Negeri Surabaya		
Doctoral	Universitas Negeri Surabaya	2025	
Master of Science Education	Universitas Negeri Surabaya	2004	
Bachelor of Physics Education	Universitas Negeri Surabaya	1999	
Employment			
Position	Employer	Period	
Professor			
Associate Professor			
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 ARGUMENTATION-BASED STUDENT WORKSHEETS TO IMPROVE CRITICAL THINKING IN EARTH AND SPACE SCIENCE COURSES	2022		IDR 30.000.000 (€ 1,553)
STRATEGY OF COMPRENG VILLAGE COMMUNITY, WIDANG DISTRICT, TUBAN REGENCY IN EXPELLING BIRD PESTS IN RICE FIELD FARMLAND: AN ETHNOPHYSICAL STUDY	2023		IDR 20.000.000 (€ 1,035)
Development of a Physics Learning Model Based on Toulmin's Argumentation Pattern in IPBA Courses to Improve Students' Critical Thinking Skills	2023		IDR 53.700.000 (€ 2,781)
DEVELOPMENT OF SCIENCE LITERACY ASSESSMENT INSTRUMENTS BASED ON THE PISA FRAMEWORK 2024	2023		IDR 17.000.000 (€ 880,52)

THE APPLICATION OF THE PHYSICS LEARNING MODEL BASED ON THE TOULMIN ARGUMENTATION PATTERN IN IPBA COURSES TO IMPROVE STUDENTS' CRITICAL THINKING SKILLS	2023		IDR 30.000.000 (€ 1,553)
DEVELOPMENT OF LITERACY EDUCATIONAL GAME ON NEWS TEXT MATERIALS TO FOSTER STUDENTS' INTEREST IN READING	2024		IDR 12.183.750 (€ 1,036)
IMPLEMENTATION OF COLLABORATIVE ARGUMENTATION LEARNING MODEL (CALM) TO IMPROVE CONCEPT UNDERSTANDING, ARGUMENTATION SKILLS AND CRITICAL THINKING OF PROSPECTIVE PHYSICS TEACHER STUDENTS	2024		IDR 45.000.000 (€ 631,06)
DEVELOPMENT OF MISCONCEPTION DETECTION INSTRUMENTS TO DETERMINE STUDENTS' UNDERSTANDING OF CONCEPTS ABOUT MECHANICS	2024		IDR 20.000.000 (€ 1,035)
TEST OF NANO-SILVER ANTIMICROBIAL ACTIVITY IN FLOOR CLEANING LIQUID AS A COMMERCIAL PRODUCT OF FACULTY OF MATHEMATICS AND NATURAL SCIENCES	2024		IDR 20.000.000 (€ 1,035)
Internalization of Values - Values of Local Wisdom through the Development of Ethnoscience-Based Learning Tools to Improve Students' Science Literacy and Problem-Solving Skills	2024		IDR 137.870.000 (€ 7,141)
Industry collaborations over the last 5 years			
Project title		Partners	
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Patents and proprietary rights			
Title			Year
Presentation Development Video Using Bandicam App			2022
development of system-integrated Blended Learning-Based LKPD to improve students' Science Argumentation skills in the Covis-19 Pandemic Era			2022
Development of LKPD Based on Blended Learning Integrated with STEM to Improve Students' Science Argumentation Skills in the Era of the Covid-19 Pandemic			2023
Important publications over the last 5 years	Total number= 144 publications total publications since the las 5 year= 85 publications		
Title and Author	Publisher/ Journal name	Publication date	Vol/Issue/ Page Number

The Validity of Problem Based Learning (PBL) Based Worksheets to Improve Students' Creative Thinking Skills in Renewable Energy Study Materials I Wulanndari	Journal of Physics: Conference Series	2023	2623 (1), 012025
An Exploration of Physics Concepts in Pletokan (Luthang) Traditional Game: What is the Potential of a Physics Learning Media in the Merdeka Belajar Curriculum? AI Safitri, S Admoko, N Suprpto, RT Putri, HZ Alhusni	Jurnal Ilmiah Pendidikan Fisika Al-Biruni	2023	12 (2), 195-216
The Effect of Problem Based Learning (PBL) Model on Students' Critical Thinking Ability in Sound Wave Material TR Cahyani, BK Prahani, S Admoko	Studies in Philosophy of Science and Education	2023	4 (3), 112-122
Implementation of independent curriculum differentiation learning in physics learning in high school completed with literature review and bibliometric analysis HT Putra, FS Haj, DF Rizaldi, C El Shinta, UA Deta, S Suliyanah	Indonesian Journal of Teaching in Scienc	2024	4 (1), 109-120
Physics concepts analysis in the traditional games of kekehan UA Deta, A Arisanti, MN Hudha, NA Lestari, S Admoko, RFR Uulaa	International Journal of Research and Community Empowerment	2024	2 (1), 24-34
Bibliometric Study: Effectiveness of Physics Learning Media in The Merdeka Belajar Curriculum to Improve Students' Critical Thinking Skills M Habibbulloh, M Anggaryani, M Satriawan, O Saputra, A Zakaria	Journal of Physics: Conference Series	2023	2623 (1), 012021
Fluid concept analysis of physics local wisdom on "Larung Sembonyo" MN Rizkina, N Suprpto, S Admoko, HN Hidaayatullaah	AIP Conference Proceedings	2024	3116 (1), 060045
Ethnophysics on the dynamical concept of "Ancak Robyong": A local wisdom in East Java Indonesia A Nadzirin, N Suprpto, S Admoko, HN Hidaayatullaah, BK Prahani	AIP Conference Proceedings	2024	3116 (1), 060040
Glocal wisdom: Synthesizing glocalization and local wisdom to advance the sustainable development goals	E3S Web of Conferences	2025	640, 01013

UA Deta, SC Agustinur, A Nurlailiyah, W Fadly, S Admoko, H Habibi			
Development of LKPD Learning Cycle 5e Learning Model on Dynamic Fluid Materials to Improve Students' Scientific Argumentation Skills S Admoko, E Hariyono	IPF: Inovasi Pendidikan Fisika	2025	14 (1), 17-24
Trens of Science Education Research on Argumentation Skills and the Contribution of Indonesial A Rizki, FR Mirsa, AN Islamiyah, AD Saputri, R Ramadani, M Habibulloh	Journal of Lifestyle and SDGs Review	2025	5 (2), e02311-e02311
Evaluating student responses to ethnophysics learning: Improving scientific literacy and problem-solving skills using a PLS-SEM approach T Sunarti, N Suprpto, HN Hidaayatullaah, S Admoko, MNR Jauhariyah	Multidisciplinary Science Journal	2025	7 (10) 2025454-2025454
A Creative and Culturally Caring Physics Generation: An Exploration of Traditional Games of the Otok-Otok Ship as an Ethnophysics-Based Learning Media AD Pratiwi, EAK Putri, S Admoko, M Misbah	Reog: Journal of Ecoethnoscience Education	2025	1 (1), 1-8
Integrating Real-World Motion: Physics Behind Racing Motorbikes at Mandalika AI Safitri, S Admoko, IR Dawana	Jurnal Ilmiah Pendidikan Fisika Al-Biruni	2025	14 (1), 1-19
The Role of Problem-Based Learning in the Development of Critical Thinking in Physics Learning: Bibliometric Analysis S Mahany, FR Mufida, NYN Ramadani, NZ Divanissa, SD Saputro	Epistemic: Scientific Thinking and Literacy	2025	1 (1), 1-11
Research Trends in Problem-Based Learning in Optical Tool Learning: Bibliometric Analysis with VOSviewer O Ramadhani, A Jelita, WI Karomah, SD Lutfiah, NR Ahmad, A Abtokhi	Studies in Physics Teaching and Learning	2025	1 (1), 31-40
Research Trends on Critical Thinking Skills Based on the Scopus Database I Wulandari, J Julianto, F Hasyim, S Admoko	Studies in Physics Teaching and Learning	2025	1 (1), 16-30
The Concept of Heat Transfer Physics in Local Wisdom of Miyang Tuban	Experiment: Journal of Science Education	2025	5 (2), 30-39

L Muthi'ah, S Admoko, GD Krisanti, DA Mahfudloh, AB Damarsha			
Activities in specialist bodies over the last 5 years			
Organization	Role	Period	
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