

Staff Handbook

Name	Budi Jatmiko		
Post	Doctor degree		
Academic career			
Academic	Institution	Year	
Initial Academic Appointed as lecturer/instructor in Physics Educations			
Doctoral	Universitas Airlangga	1997	
Master of Education	Universitas Negeri Jakarta	1990	
Bachelor of	Universitas Surabaya	1984	
Employment			
Position	Employer	Period	
Professor	Universitas Negeri Surabaya		
Associate Professor	Universitas Negeri Surabaaya		
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
Pengembangan Model Pembelajaran IPA Berbasis Literasi Data untuk Meningkatkan Scientific Reasoning Mahasiswa	2023		IDR 51.000.000 (€ 2,652)
KESADARAN DAN LITERASI IKLIM MASYARAKAT DALAM MENGHADAPI BENCANA AKIBAT PERUBAHAN IKLIM: STUDI FENOMENOLOGI UNTUK MENDUKUNG SDGS	2023		IDR 20.000.000 (€ 1,040)
PEMBELAJARAN IPA BERBASIS SOCIO SCIENTIFIC ISSUES (SSI) BERBANTUAN MOBILE MULTIMEDIA INTERACTIVE (MMI) UNTUK MENINGKATKAN KETERAMPILAN LITERASI SAINS SISWA	2023		IDR 20.000.000 (€ 1,040)
KEPRAKTIKAN DAN KEEFEKTIFAN MODEL INVESTIGATION-BASED MULTIPLE REPRESENTATION ONLINE (IBMRO) UNTUK MENINGKATKAN KETERAMPILAN PEMECAHAN MASALAH MAHASISWA PENDIDIKAN FISIKA	2023		IDR 75.000.000 (€ 3,900)

Pembelajaran Digital Berbasis Physics Learning Web untuk Meningkatkan Keterampilan Berpikir Kritis Mahasiswa Pendidikan Fisika: Optimalisasi MBKM di Perguruan Tinggi	2023		IDR 257.618.000 (€ 13,396.136)
PHYSICS EDUTAINMENT: PEMBELAJARAN FISIKA BERBASIS KEARIFAN LOKAL UNTUK MENCAPAI SUSTAINABLE DEVELOPMENT GOALS (SDGS)	2024		IDR 30.000.000 (€ 1,560)
“UJI LUAS MODEL INVESTIGATION-BASED MULTIPLE REPRESENTATION ONLINE (IBMRO) UNTUK MENINGKATKAN KETERAMPILAN PEMECAHAN MASALAH MAHASISWA PENDIDIKAN FISIKA”	2024		IDR 50.000.000 (€ 2,600)
RESPON KESADARAN LITERASI IKLIM MAHASISWA CALON GURU FISIKA SEBAGAI PENDUKUNG EDUCATION FOR SUSTAINABLE DEVELOPMENT (ESD) INDONESIA	2024		IDR 20.000.000 (€ 1,040)
Pengembangan Model HOPS (Heuristic Oriented Problem Solving) Dalam Pembelajaran Kimia Untuk Melatihkan Keterampilan Pemecahan Masalah Siswa SMA	2024		IDR 55.280.000 (€ 2,874.56)
Pengembangan Model Pembelajaran fisika Scientific Creativity Project based learning (SCPjBL) untuk meningkatkan kreativitas ilmiah Mahasiswa S1 Pendidikan fisika	2024		IDR 53.640.000 (€ 2,789.28)
Industry collaborations over the last 5 years			
Project title		Partners	
-			
Patents and proprietary rights			
Title			Year
Bahan Tayang Analisis Kajian Penelitian “Effects of guided discovery learning models on students’ critical thinking ability on the materials of immune system”			2025
Bahan Tayang Analisis Kajian Artikel Development and validation of an instrument for assessing high-school students’ perceptions of socio-scientific issues-based learning in biology			2025
Bahan Tayang Analisis Artikel Terindeks Scopus, Topik: Berpikir Kritis			2025
Bahan Tayang Analisis Kajian Artikel “The Effect of Online Argumentation of Socio-Scientific Issues on Students' Scientific Competencies and Sustainability Attitudes”			2025
Bahan Tayang Analisis Kajian Penelitian “The role of discovery learning in efforts to develop students' critical thinking abilities”			2025
Bahan Tayang Analisis Kajian Penelitian “Microlearning-Oriented ISOCC Learning Model Framed Student Worksheets for Improving Science Argumentation Skills”			2025

Bahan tayang analisis kajian artikel online problem based learning and 3D digital books to improve pre-service teachers scientific literacy			2025
Analisis Artikel Terindeks Scopus, Topik: Education for Sustainable Development (ESD)			2025
Analisis Artikel Terindeks Skopus, Topik : Berpikir Kritis			2025
Bahan Tayang Analisis Artikel Terindeks Scopus, Topik: Berpikir Kritis			2025
Important publications over the last 5 years		Total number= 305 publications total publications since the las 5 year= 141 publications	
Title and Author	Publisher/ Journal name	Publication date	Vol/Issue/ Page Number
Higher order thinking skills for improved learning outcomes among indonesian students: A blended web mobile learning (BWML) model B Hariadi, MJ Sunarto, T Sagirani, T Amelia, J Lemantara, BK Prahani,...	International Journal of Interactive Mobile Technologies (IJIM)	2021	15 (07), 4-16
Online learning PBL model with the STS approach to improve high school students' critical thinking ability G Lorencia, B Jatmiko	PENDIPA Journal of Science Education	2021	5 (3), 459-465
Virtual Classroom Critical Thinking as an Alternative Teaching Model to Improve Students' Critical Thinking Skills in Pandemic Coronavirus Disease Era. T Lestari, ZAI Supardi, B Jatmiko	European Journal of Educational Research	2021	10 (4), 2003-2015
Development Blended Web Mobile Learning Model on COVID-19 Pandemic BK Prahani, B Jatmiko, B Hariadi, MJ Sunarto, T Sagirani, T Amelia	TEM Journal	2021	10 (4), 1879-1883
The Role of Leadership, Compensation, and Training in Order to Enhance the Employee Performance at Pt. Adhimix Rmc Indonesia B Jatmiko, CB Purba	Dinasti International Journal of Education Management and Social Science	2021	12 (1), 49-62
World Journal on Educational Technology: Current Issues BK Prahani, B Jatmiko, MC Pristianti, T Amelia		2022	

Critical thinking profile of senior high school students in terms of argumentation-based learning RN Fadillah, B Jatmiko, W Widodo	Studies in Learning and Teaching	2022	3 (3), 149-162
The Effectiveness of Physics Learning with Blended Learning Models using the Edmodo Application to Improve Students' Critical Thinking Skills N Najib, B Jatmiko	International Journal of Active Learning	2022	7 (1), 14-23
Higher Order Thinking Skills Based Learning Outcomes Improvement with Blended Web Mobile Learning Model. B Hariadi, B Jatmiko, MJ Sunarto, BK Prahani, T Sagirani, T Amelia, ...	International Journal of Instruction	2022	15 (2), 565-578
Top 100 Cited Publications for The Last Thirty Years in Digital Learning and Mobile Learning. BK Prahani, MZB Amiruddin, B Jatmiko, N Suprpto, T Amelia	Int. J. Interact. Mob. Technol.	2022	16 (8), 18-33
Research profile of inquiry on physics learning during the COVID-19 pandemic BK Prahani, B Jatmiko, T Amelia, KA Arzak, NA Qotrunnada	Jurnal Penelitian Pendidikan IPA	2023	9 (1), 20-30
Students' Physics Problem-Solving Skills in Daily Life Context: Between Confession and Fact IPM Sari, B Jatmiko, N Suprpto	Jurnal Penelitian Pendidikan IPA	2023	9 (1), 231-241
The emerging of digital revolution: A literature review study of mobile and android based e-pocket book in physics learning HV Saphira, BK Prahani, B Jatmiko, T Amelia	Advances in Mobile Learning Educational Research	2023	3 (1), 718-726
Research Profile of Problem Based Learning on Physics Learning During the Covid-19 Pandemic BK Prahani, B Jatmiko, T Amelia, NA Qotrunnada, SBA Neswary	JIPF (Jurnal Ilmu Pendidikan Fisika)	2023	8 (2), 137-153
Profile of Guided Inquiry in Science Learning in Junior High Schools FRA Setiawan, ZAI Supardi, B Jatmiko	IJORER: International Journal of Recent Educational Research	2023	4 (3), 343-354
The Impact of Emerging Technology in Physics over the Past Three Decades.	Journal of Turkish Science Education	2024	21 (1), 134-152

BK Prahani, HV Saphira, B Jatmiko, T Amelia			
Scientific literacy in physics learning: A bibliometric analysis from 1977 until 2023 and its impact on quality education HZ Alhusni, M Habibulloh, NA Lestari, A Realita, B Jatmiko	UA Deta E3S Web of Conferences	2024	513, 04012
Investigation-based multiple representation online model to improve students' problem-solving skills B Jatmiko, BK Prahani, HV Saphira, J Siswanto	Перспективы науки и образования	2024	621-636
Evaluation of model mind mapping science blended to enhance students students' critical thinking skills DM Anggraeni, BK Prahani, B Jatmiko	Edelweiss Applied Science and Technology	2024	8 (6), 8682-8695
Development of Physics Learning Media: A Literature Review IF Maslakhah, B Jatmiko, IGM Sanjaya	IJORER: International Journal of Recent Educational Research	2024	5 (2), 317-333
Assistance in Making Dynamic Electricity KITS Based on Scientific Argumentation Skills for Physics Teachers in Sidoarjo Senior High School UA Deta, MN Fahmi, A Nurlailiyah, R Rusmawati, M Anggaryani,...	Jurnal Pengabdian Masyarakat	2025	5 (2), 767-774
Primary education students' scientific literacy in terms of some variables I Yuliana, B Jatmiko, W Widodo, S Suryanti	Edelweiss Applied Science and Technology	2025	9 (1), 1277-1288
Analysis of Scientific Literacy Ability Based on Energy Conservation Socio-Scientific Issues (ECSSI) of High School Students FKR Santoso, B Jatmiko, T Sunarti, M Satriawan		2025	
The use of technology to scientific reasoning in science education: A bibliometric and content analysis of research papers N Shofiyah, B Jatmiko, N Suprpto, BK Prahani, DM Anggraeni	Social Sciences & Humanities Open	2025	11, 101534
Research Trends of Student Scientific Literacy Assessment to Support Quality Education MNND Wahab, BK Prahani, HE Haryono, B Jatmiko	Journal of Lifestyle and SDGs Review	2025	5 (1), e03916-e03916

Activities in specialist bodies over the last 5 years		
Organization	Role	Period
-		