

Staff Handbook

Name	Utama Alan Deta, S.Pd., M.Pd., M.Si.		
Post	Master at Physics		
Academic career			
Academic	Institution	Year	
Government Employer at Ministry of Research, Technology and Higher Education as a Lecturer Institution (now Ministry of Education and Culture)	Universitas Negeri Surabaya - Indonesia	2014-2025	
Doctoral			
Master of Science Education	Universitas Sebelas Maret Surakarta	2011-2013	
Master of Physics Education	Universitas Sebelas Maret Surakarta	2011-2013	
Bachelor of Physics Education	Universitas Negeri Surabaya	2006-2011	
Employment			
Position	Employer	Period	
Professor			
Associate 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
REORIENTATION OF THE SCIENTIFIC ARTICLE PUBLICATION ASSISTANCE PROCESS (MANUSCRIPT CLINIC) TOWARDS FMIPA UNESA IS STRONG IN MATHEMATICS AND NATURAL SCIENCES	2023		IDR 20.000.000 (€ 1,030)
CHARACTERIZATION OF ELECTRICAL PROPERTIES IN DOUBLE PEROVSKITE OXIDE LABA0.5SR0.5FE1.8CU0.2O3-? (LBSFC) AS AN INTERMEDIATE-TEMPERATURE SOLID OXIDE FUEL CELL (IT-SOFC) CATHODE MATERIAL	2023		IDR 30.000.000 (€ 1,545)
ANALYSIS OF REVENUE MANAGEMENT OF UNESA SELINGKUNG JOURNAL AS A STRATEGY	2024		IDR 46.000.000 (€ 2,369)

TO IMPROVE THE MANAGEMENT OF UNESA SCIENTIFIC PUBLICATIONS PTN-BH			
ZNO/PYRROPHYLLITE NANOCOMPOSITES: THEIR SYNTHESIS, CHARACTERIZATION, AND APPLICATION AS UV-RESISTANT TO SUPPORT THE ACHIEVEMENT OF SDGS 13 (CLIMATE ACTION)	2024		IDR 46.000.000 (€ 2,369)
DEVELOPMENT OF MISCONCEPTION DETECTION INSTRUMENTS TO DETERMINE STUDENTS' UNDERSTANDING OF CONCEPTS ABOUT MECHANICS	2024		IDR 20.000.000 (€ 1,030)
Virtual Reality-based Creative Digital Media in Strengthening Ecoethnophysics Learning to Support Sustainable Development Goals (SDGs)	2024		IDR 113.200.000 (€ 5,830)
Analysis of Physics Education Research Trends in the Last 30 Years: Perspectives on Research Directions and Policies Towards a Golden Indonesia	2024		IDR 131.600.000 (€ 5,850)
PHYSICS EDUTAINMENT: PHYSICS LEARNING BASED ON LOCAL WISDOM TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS (SDGS)	2024		IDR 30.000.000 (€ 1,545)
THE INFLUENCE OF THE GLOCAL WISDOM AND GUIDED INQUIRY LEARNING MODEL ON THE SCIENCE LITERACY SKILLS OF PROSPECTIVE PHYSICS TEACHER STUDENTS	2024		IDR 30.000.000 (€ 1,545)
DEVELOPMENT OF STUDENT CLIMATE LITERACY ASSESSMENT INSTRUMENTS FOR PHYSICS EDUCATION FOR SUSTAINABLE DEVELOPMENT	2024		IDR 30.000.000 (€ 1,545)
Industry collaborations over the last 5 years			
Project title		Partners	
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Patents and proprietary rights			
Title			Year
CONCEPTUAL STUDY OF THE GLOBALIZATION (GLOBALIZATION OF LOCAL WISDOM) MODEL BASED ON PHYSICAL PHENOMENOLOGY Means of Improving the Science Literacy of Students in Indonesia			2023
Science Literacy Based on the PISA Framework 2025			2023
Science Literacy Questionnaire Instrument Based on the PISA Framework 2025			2023
Sync Edu			2023

Ethnophysics of Kekehan		2024	
Media Virtual Reality Ecoethnophysics		2024	
Local Wisdom of Physics		2024	
Physics Edutainment: Active and Fun Physics Learning		2024	
Writing Scientific Articles for Teachers		2024	
Ecoethnophysics Approach in Learning		2024	
Important publications over the last 5 years		Total number= 213.publications total publications since the last 5 year= 165 publications	
Title and Author	Publisher/ Journal name	Publication date	Vol/Issue/ Page Number
Analysis of Physics MGMP Problems in Sidoarjo: Efforts to Improve Professionalism Through Research UA Deta, A Nurlailiyah, S Suliyanah, H Habibi, H Aryani, AD Pratiwi, Mozza Pinkan Edelweiss, Nadi Suprpto, Setyo Admoko	Dedikasi: Journal of Community Engagement and Empowerment	2024	2 (2), 42-47
Getting to Know Surabaya's Cultural Heritage through Educational Diorama in the P5 Program AEN Hidayah, L Laila, I Ma'arij, UA Deta	Dedikasi: Journal of Community Engagement and Empowerment	2024	2 (2), 64-71
The Influence of the Argument-Driven Inquiry Learning Model in Physics Learning with the STEAM Approach on the Scientific Argumentation Ability EW Epriliyani, UA Deta	IPF: Physics Education Innovation	2025	14 (1), 6-10
Glocal wisdom: Synthesizing glocalization and local wisdom to advance the sustainable development goals Utama Alan Deta, Satya Cantika Agustinur, Alfi Nurlailiyah, Wirawan Fadly, Setyo Admoko, Habibi Habibi, Khoirun Nisa	E3S Web of Conferences	2025	640, 01013
Literature Review: The Role of Local Wisdom-Based Physics Learning with Patil Lele in Enhancing Students' Scientific Literacy NA Agustiningrum, UA Deta	International Journal of Research and Community Empowerment	2025	3 (1), 29-37
DEVELOPMENT OF THE SYNC EDU WEBSITE ON MOMENTUM AND IMPULSE MATERIALS BASED ON THE INDEPENDENT CURRICULUM TO IMPROVE THE QUALITY OF LEARNING IN THE DIGITAL ERA	Natural Science: Journal of Research in the Field of Science and Science Education	2025	11 (1), 40-67

TNI Arzety, HZ Alhusni, DF Rizaldi, R Nuryanti, UA Deta, SR Mahardhika			
Potential for the Utilization of Roses for Essential Oil Production in the Nganjuk Rice Fields Area H Aryani, AD Pratiwi, MP Edelweiss, UA Deta, NA Lestari	Dedikasi: Journal of Community Engagement and Empowerment	2025	3 (1), 1-7
Earthquake scientific literacy profile of Indonesian first year pre-service physics teacher Utama Alan Deta, Rinda Rahmanisa Sasmi, Aini Arisanti, Luthfiyaul Laila, Muhammad Nur Hudha, Husni Mubarak, Binar Kurnia Prahani, Nadi Suprpto	Journal of Education and Learning (EduLearn)	2025	19 (2), 890-899
Opportunities to Implement Traditional Games as Contextualized Physics Learning Innovations L Laila, LZ Wardi, UA Deta	Reog: Journal of Ecoethnoscience Education	2025	1 (1), 24-31
High School Students' Perspectives on Local Wisdom, Science Literacy, and Learning Motivation in Physics Learning RR Sasmi, SN Shiha, A Saregar, UA Deta	Reog: Journal of Ecoethnoscience Education	2025	1 (1), 32-39
Digital Comics Based on Folklore: Increasing Creativity, Digital Literacy, and Student Character in the Pancasila Student Profile Strengthening Project (P5) H Aryani, ITD Wilujeng, DAO Nova, M Muzayanah, UA Deta	Dedikasi: Journal of Community Engagement and Empowerment	2025	3 (1), 17-24
Knitting Beads with Meaning: Strengthening Entrepreneurship and Student Character through the P5 Craft Project with Cultural and Environmentally Friendly Nuances AD Pratiwi, EAK Putri, N Qomariyah, UA Deta	Dedikasi: Journal of Community Engagement and Empowerment	2025	3 (1), 25-34
Interactive Mobile Technology in Education: A Systematic Mapping and Bibliometric Analysis. MA Ghofur, BK Prahani, IR Dawana, UA Deta, Y Anistyasari, MA Kurtuluş	International Journal of Interactive Mobile Technologies	2025	19 (13)
Glocal Wisdom Boranan Lamongan Dance: Balance of Solid Objects Based on Science Literacy	Education and Publication Partners	2025	

HZ Alhusni, W Astutik, UA Deta, B Jatmiko, ZAI Supardi, BK Prahani, Titin Sunart			
Difficulties of Mathematics and Natural Science Academicians in Publishing Scientific Article F Khaleyla, UA Deta, NA Lestari, M Jakfar, RD Saputri	2nd International Conference on Sciences, Mathematics, and Education 2023 (ICOSMED 2023)	2025	313-320
Bibliometric Analysis of the Development of HOTS-Based Physics E-Modules to Improve Critical Thinking of High School Students SN Hariyanti, U Hikmawati, BA Yunanto, F Rahmawati, W Fadly	Studies in Physics Teaching and Learning	2025	1 (1), 1-6
Integration of Local Wisdom of Pencak Silat in Learning Newton's Laws based on ICT-Technology to determine Student Learning Motivation A Zakaria, M Satriawan, RT Lintangesukmanjaya, UA Deta	Journal of Innovative Technology and Sustainability Education	2025	1 (2), 78-78
Activities in specialist bodies over the last 5 years			
Organization	Role	Period	
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