

STAFF HANDBOOK



Name	Aris Rudi Purnomo, S.Si., M.Pd., M.Sc.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career (Pendidikan)	Bachelor Degree (S1)	Biological Science, Universitas Negeri Surabaya	Graduated 2010
	Master Degree (S2)	<ul style="list-style-type: none"> • Curtin University of Technology, Western Australia • Science Education, Universitas Negeri Surabaya 	<ul style="list-style-type: none"> • Graduated 2012 • Graduated 2013
Employment	Lecturer	Universitas Negeri Surabaya	2015 - now
Research and Development Project over the last 5 years	<ol style="list-style-type: none"> 1. Innovating Deep Learning with AI-Based E-Comics to Enhance Graduate Competencies in High School 2. Designing Culturally Responsive Science Teaching to Enhance Teachers' Competence in Developing Pancasila Student Profile Reinforcement Projects 3. Formulation of Ruminant Feed Wafers Using Empon-empon as a Functional Feed to Support Livestock Health 4. Sensitivity of Salt Concentration Detection in Various Fruit Extracts Using a Refractometer and UV-Vis Spectrometer 5. Development of an Integrated Learning Prototype on Sustainable Development Goals to Support the Implementation of Merdeka Belajar for Pre-Service Science Teachers 6. Analysis of Junior High School Students' Scientific Literacy Skills Related to the COVID-19 Pandemic 		2025 2024 2024 2023 2022 2021
Industry Collaborations over the last 5 years	<ol style="list-style-type: none"> 1. Guest Speaker at the Mentoring Program for Science Olympiad Teacher Coaches in Mojokerto City 2. Assessor for the Pre-Service Teacher Professional Education (PPG) Selection, Ministry of Education and Culture 		2025 2022-2024

	3. Mentor for Junior High School Science Olympiad in Mojokerto Regency	2024
Patents and Property right		
Important Publications over the last 5 years	<p>1. Purnomo, A. R., Mahdiannur, M. A., Sari, D. A. P., Budiyanto, M., & Astriani, D. (2024, May). The effectiveness of mind-map as a pedagogical tool in enhancing conceptual understanding of photosynthesis. In AIP Conference Proceedings (Vol. 3116, No. 1, p. 100015). AIP Publishing LLC. Link</p> <p>2. Purnomo, A. R., Yulianto, B., Mahdiannur, M. A., & Subekti, H. (2023). Embedding sustainable development goals to support curriculum merdeka using projects in biotechnology. International Journal of Learning, Teaching and Educational Research, 22(1), 406-433. Link</p> <p>3. Purnomo, A. R., Subekti, H., & Mahdiannur, M. A. (2022). A Study of Preservice Science Teachers' Articles: What do They Think the Educational Goal in SDGs should be Focused on?. In SHS Web of Conferences (Vol. 149, p. 01001). EDP Sciences. Link</p> <p>4. Sabtiawan, W. B., Sari, D. A. P., Purnomo, A. R., & Widodo, W. (2021, May). Blended learning for undergraduate students: Validity, practicality, and effectivity. In Journal of Physics: Conference Series (Vol. 1899, No. 1, p. 012170). IOP Publishing. Link</p> <p>5. Astriani, D., Susilo, H., Suwono, H., Lukiat, B., & Purnomo, A. (2020). Mind mapping in learning models: A tool to improve student metacognitive skills. International Journal of Emerging Technologies in Learning (iJET), 15(6), 4-17. Link</p>	2024 2023 2022 2021 2020
Activities in specialist bodies over the last 5 years (Aktivitas dalam organisasi ilmiah)	Members of the Indonesian Science Educators Association	2021-2026