STAFF HANDBOOK



Name	Ernita Vika Aulia, S.Pd.,M.Pd.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career	Bachelor Degree	Chemistry Education, Universitas Negeri Surabaya	Graduated 2015
	Master Degree	● Science Education, Universitas Negeri Surabaya	● Graduated 2017
Employment	Lecturer	Universitas Negeri Surabaya	2019 - now
Research and Development Project over the last 5 years	1. Implementation of H5P and AI-based Deep Learning to Strengthen Science Literacy of Prospective Science Teacher Students 2. Analysis of Engagement Level and Performance of Prospective Science Teacher Students on Moodle-Based LMS to Develop Deep Learning Competencies 3. Development of Learning Tools with a Deep Learning Approach to Improve the Abductive and Argumentative Abilities of Prospective Science Teacher Students 4. Development of Activity-Based Learning and H5P-Assisted Reflection to Strengthen the Pancasila Student Profile of Prospective Science Teachers 5. Development of Interactive Animation as a Science Learning Media Based on HTML5 Package (H5P) to Improve Students' Understanding of Science Concepts 6. Development of Activity-Based Learning and H5P-Assisted Reflection to Strengthen the Pancasila Student Profile of Prospective Science Teachers 7. Implementation of the ISOCC Learning Model to Develop Micro Learning Skills in Prospective Science Teacher Students		2025 2025 2025 2024 2024 2023 2023 2022 2021

	8. Implementing Cybergogy to Develop Research Capabilities for prospective science teacher students 9. Improving Students' Science Literacy with Gadget-Based Learning Media	
Industry Collaborations over the last 5 years	1. Jury for Science Writing Competition the National Science Fair 2. Guest Lecture Speaker in the Science Education Study Program, Faculty of Education, Trunojoyo University of Madura 3. Speaker for the Matching Fund Forum Group Discussion, Trunojoyo University of Madura	2020-2025 2022 2022
Patents and Property right	1. Abductive Ability Test Instrument and Scientific Argumentation of Perspective Science teacher (Book) 2. ALLR Learning Model Book (Activity Based, Lesson Learn, Reflection) H5P-Assisted to Strengthen Pancasila Student Profiles for Prospective Science Teachers (Book) 3. Student Worksheet - Elements, Compounds, and Mixtures (Separation of Mixtures) 4. Science Inquiry Skills Video 5. Mathematical Modeling Video in Science 6. Question Instruments to Measure Critical Thinking Skills of Grade VII Junior High School Students on the Material of Substances and Their Changes 7. Student Worksheet on Membrane Transport Topic 8. General Biology Learning Video About Membrane Transport 9. General Chemistry Learning Video About Matter and Classification of Matter 10. Student Worksheet Liquid Organic Fertilizer to Reduce Food Waste 11. Student Worksheet Energetics of Material Systems and Environment, State Functions, First Law of Thermodynamics, Thermochemistry, Hess's Law, Bond Energy, Spontaneity of Reactions, and Entropy 12. SSI Heat Transfer Computer Program 13. Chemical Bonding Student Worksheet: Lewis Structure, Ionic Compounds, Covalent Compounds, Molecular Shapes	2024 2024 2024 2024 2024 2024 2023 2023 2023 2023 2022 2021 2021
Important Publications over the last 5 years	1. Utilization of the Food Chain Application in Science Learning for 7th Grade Junior High School Students	2025 2024

	2. Microlearning-oriented ISOCC learning model framed student worksheets for improving science argumentation skills	2024
	3. Artificial Intelligence Utilization Training for Science Educators in Facilitating Microlearning	2023
	4. H5P Based Learning Media to Reinforce Pre-Service Science Teachers' Critical Thinking Skills: Development and Validation	
	5. Rooftops and solar stoves: Feasibility of interactive multimedia storyboard to improve scientific literacy skills	2023
	6. Analysis of Student Responses to STEM-Inquiry Learning Using Cloud Classroom (CCR) on Food Loss and Food Waste Topics	2023
	7. Interactive PowerPoint Media Creation Training Based on Project Based Learning for Middle School Science Teachers	2022
	8. Student Activity Sheet Based on Inquiry for Supporting Practical Work in Solution Course	2022
	9. Training on Creating Blended Learning Media Based on a Scientific Approach Using Wakelet For Science Teachers	2021
	10. Analysis of Undergraduate Mathematics Students' Understanding on Microscopic Representation of General Chemistry Lecture based on their Scientific Reasoning Ability	2021
Activities in specialist bodies over the last 5 years	1. Member of the Indonesian Lecturers Association	2024-2028
	2. Member of the Indonesian Chemical Society	2024-2025