

STAFF HANDBOOK



Name	Fikky Dian Roqobih, S.Pd.,M.Pd.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career	Master degree Bachelor degree	Science Education Department Surabaya State University Biology Education Department Surabaya State University	2017- 2020 2013- 2017
Employment	Lecturer	Universitas Negeri Surabaya	2023 - now
Research and Development Project over the last 5 years	1. Development of Authentic Assessment for Science Subject Evaluation Based on the Deep Learning Approach 2. Implementation of Socio-Scientific Inquiry-Based Blended Learning (SSIBBL) to Enhance Science Literacy among Pre-Service Science Teachers: An Effort to Foster Scientifically Literate and Responsible Global Citizens 3. Analysis of Challenges in Developing STEM-Based Mathematics Learning Assessment: Perspectives from Mathematics Education Students in Higher Education 4. Application of Deep Learning-Based Instruction Utilizing H5P and AI to Strengthen Science Literacy among Pre-Service Science Teachers 5. Implementation of Problem-Based Blended Learning: Exploration of Its Impacts and Constraints 6. Study on the Profile of Abductive Reasoning and Scientific Argumentation Skills of Pre-Service Science Teachers in Case-Based Learning 7. The Effect of Formative Assessment on Academic Achievement and Self-Regulation Skills in Junior High School Science Learning	2025 2025 2025 2025 2024 2023	

Industry Collaborations over the last 5 years	-	
Patents and Property right	<ol style="list-style-type: none"> 1. Assessment Sheet for Evaluating Performance Assessment Instruments 2. Science Subject (IPA) Assessment Sheet 3. Guidebook for the Digitalization of Learning: Integrating STEM Unplugged into E-LKPD (Electronic Student Worksheets) 4. Booklet on Mentoring the Implementation of Assessment for Learning to Realize Differentiated Instruction in the Merdeka Curriculum 5. Diagnostic Assessment for Mapping Learning Styles 6. STEM Project Handbook 7. Guideline for Implementing Collaborative Problem-Based Blended Learning in Science Education 8. Learning Model Book: ALLR (Activity-Based, Lesson-Learned, Reflection) Supported by H5P to Strengthen the Pancasila Student Profile for Pre-Service Science Teachers 9. Student Worksheet Using Argument-Driven Inquiry to Improve Students' Argumentation Skills 10. Student Worksheet on Inquiry Learning: Heat and Its Transfer 11. The Guide to Scientific Writing 12. Teaching Module for the Merdeka Curriculum: Implementation of Formative Assessment in Grade VIII Junior High School Science on the Digestive System Topic 13. Student Worksheet on the Topic of Membrane Transport 14. Worksheet on the Application of Assessment in the Implementation of the Merdeka Curriculum 15. Science Literacy Assessment Instrument on COVID-19 16. English for Specific Purposes (for Math and Science Students) 	2022-2025
Important Publications	Yurizka Melia Sari, Yuli Izza El Milla, Shofan Fiangga, Fikky Dian Roqobih , Abdul Haris Rosyidi, Masitah Shahrill. STEM challenges in assessment scale: A content validity study for	2025

over the last 5 years	<p>prospective teachers' readiness in sustainable STEM education. E3S Web of Conferences. 640: 02008 https://doi.org/10.1051/e3sconf/202564002008</p>	
	<p>Enny Susiyawati, Erman Erman, Tutut Nurita, Ahmad Qosyim, Fikky Dian Roqobih. Collaborating Courses through Problem-Based Blended Learning: Analysis of Students' Perspectives. Journal of Problem Based Learning in Higher Education. 13(1): https://doi.org/10.54337/ojs.jpblhe.v13i1.9054</p>	2025
	<p>Puji Dwi Seftiani, Enny Susiyawati, Fikky Dian Roqobih, & Sapti Puspitarini. (2025). Synergy of Nature Conservation and Local Wisdom Through the Ruwatan Bumi Tradition in Winongo Subdistrict Manguharjo District Madiun City. <i>International Journal Of Education And Social Research (IJSER)</i>, 3(2), 1-11. https://doi.org/10.62017/ijesr.v3i2.81</p>	2025
	<p>Dinda Kamilia Zukhruffillah, Laily Rosdiana, Fikky Dian Roqobih. Literature Study : Potential Bioactive Extract from Basil Leaves (<i>Ocimum Basillicum</i>) as Anti-Acne Gel. 4(2). 1-8. https://doi.org/10.36733/usadha.v4i02.9901</p>	2025
	<p>Endah Proboningtyas, Fikky Dian Roqobih. The Potential of Snake Plant (<i>Sansevieria trifasciata</i>) Extract as an Anti-Pollution Product. JURNAL KESEHATAN LINGKUNGAN Jurnal dan Aplikasi Teknik Kesehatan Lingkungan22(1):45-52 10.31964/jkl.v22i1.920</p>	2025
	<p>Alief Dwi Mellandri, Wahono Widodo, and Fikky Dian Roqobih. 2024. "The Use Of Montessori Protective Tools In The Solar System To Improve The Learning Outcomes Of Class VII Mts Students". <i>BIOCHEPHY: Journal of Science Education</i> 4 (2):696-702. https://doi.org/10.52562/biochephy.v4i2.1251.</p>	2025
	<p>Fikky Dian Roqobih, and Dyah Astriani. 2024. "Distance Learning Experience: Unleashing the Power of Peardeck for Post-Pandemic Education". <i>Jurnal Pijar Mipa</i> 19 (3):386-90. https://doi.org/10.29303/jpm.v19i3.6463.</p>	2024
	<p>Allyah Fikrotun Nisa, Laily Rosdiana, Fikky Dian Roqobih. 2024. Identification of the Effectiveness of Lichen Crustose sp. (<i>Cryptochemia</i>) and Lichen Foliose sp. (<i>Parmelia</i>) as Bioindicators of Air Pollution Levels. <i>Jurnal Ilmiah Biologi UMA (JIBIOMA)</i>. 6(2). 91-102. https://doi.org/10.31289/jibioma.v6i2.4352</p>	2024

	<p>Ika Nur Aini, Laily Rosdiana, Fikky Dian Roqobih. Literature Review: The Potential of Soursop Leaves (<i>Annona muricata L.</i>) as a Cholesterol-Lowering Drug. <i>USADHA</i>. 3(2). https://doi.org/10.36733/usadha.v3i2.9140</p> <p>Divani Mutiara, Wahono Widodo, and Fikky Dian Roqobih. 2024. "Interactive Multimedia To Improve Student Learning Outcomes On The Material Of Earth's Rotation And Revolution". <i>BIOCHEPHY: Journal of Science Education</i> 4 (1):321-29. https://doi.org/10.52562/biochephy.v4i1.1128.</p> <p>Ninik Puspito Rini, Wahono Widodo, and Fikky Dian Roqobih. 2024. "Discovery Learning To Improve Students' Science Process Skills On The Interaction Of Living Things". <i>BIOCHEPHY: Journal of Science Education</i> 4 (1):312-20. https://doi.org/10.52562/biochephy.v4i1.1127.</p> <p>Fatimatuz Zahro, Laily Rosdiana, Fikky Dian Roqobih. Aquatic Ecorestoration Using Watercress (<i>Nasturtium officinale</i>) to Control Pollution Based on Rhizofiltration Technology. 7(3). https://doi.org/10.26760/jrh.v7i3.229-238</p> <p>Manasye Viony, Laily Rosdiana, and Fikky Dian Roqobih. Raw Cassava (<i>Manihot esculenta</i>) Botanical Rodenticide as an Alternative for Rat Pest Control. <i>HIGIENE: Jurnal Kesehatan Lingkungan</i> 9.2 (2023): 79-84. https://doi.org/10.24252/higiene.v9i2.37901</p> <p>Achmad Choirul Fatikhin, Laily Rosdiana, Fikky Dian Roqobih. Literature Study: The Effectiveness Of Neem Leaves As A Vegetable Pesticide To Repell Greek Caterpillars On Corn Plants. 2023. <i>Innofarm: Jurnal Inovasi Pertanian</i>. 25(2). 249-257. https://doi.org/10.33061/innofarm.v25i2.9065</p> <p>Fikky Dian Roqobih, Reni Ambarwati. Implementation of Blended Learning using SchoologyOn the Topic of Invertebrate to Improve Student Learning Outcomes. 2020. <i>Jurnal Inovasi Pembelajaran Biologi</i>, 1 (1): 24-34. https://doi.org/10.26740/jipb.v1n1.p24-34</p>	2024
Activities in specialist bodies over the last 5 years		-