

# STAFF HANDBOOK



<b>Name</b>	Fikky Dian Roqobih, S.Pd.,M.Pd.		
<b>Position</b>	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
<b>Academic Career</b>	Master degree	Science Education Department Surabaya State University	2017-2020
	Bachelor degree	Biology Education Department Surabaya State University	2013-2017
<b>Employment</b>	Lecturer	Universitas Negeri Surabaya	2023 - now
<b>Research and Development Project over the last 5 years</b>	1. Development of Authentic Assessment for Science Subject Evaluation Based on the Deep Learning Approach		2025
	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		2025
	3. Analysis of Challenges in Developing STEM-Based Mathematics Learning Assessment: Perspectives from Mathematics Education Students in Higher Education		2025
	4. Application of Deep Learning-Based Instruction Utilizing H5P and AI to Strengthen Science Literacy among Pre-Service Science Teachers		2025
	5. Implementation of Problem-Based Blended Learning: Exploration of Its Impacts and Constraints		2024
	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		2023

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

over the last 5 years	prospective teachers' readiness in sustainable STEM education. E3S Web of Conferences. 640: 02008 <a href="https://doi.org/10.1051/e3sconf/202564002008">https://doi.org/10.1051/e3sconf/202564002008</a>	
	Enny Susiawati, Erman Erman, Tutut Nurita, Ahmad Qosyim, <b>Fikky Dian Roqobih</b> . Collaborating Courses through Problem-Based Blended Learning: Analysis of Students' Perspectives. Journal of Problem Based Learning in Higher Education. 13(1): <a href="https://doi.org/10.54337/ojs.jpblhe.v13i1.9054">https://doi.org/10.54337/ojs.jpblhe.v13i1.9054</a>	2025
	Puji Dwi Seftiani, Enny Susiawati, <b>Fikky Dian Roqobih</b> , & 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 (IJESR)</i> , 3(2), 1-11. <a href="https://doi.org/10.62017/ijesr.v3i2.81">https://doi.org/10.62017/ijesr.v3i2.81</a>	2025
	Dinda Kamilia Zukhrufillah, Laily Rosdiana, <b>Fikky Dian Roqobih</b> . Literature Study : Potential Bioactive Extract from Basil Leaves ( <i>Ocimum Basillicum</i> ) as Anti-Acne Gel. 4(2). 1-8. <a href="https://doi.org/10.36733/usadha.v4i02.9901">https://doi.org/10.36733/usadha.v4i02.9901</a>	2025
	Endah Proboningtyas, <b>Fikky Dian Roqobih</b> . The Potential of Snake Plant ( <i>Sansevieria trifasciata</i> ) Extract as an Anti-Pollution Product. JURNAL KESEHATAN LINGKUNGAN Jurnal dan Aplikasi Teknik Kesehatan Lingkungan 22(1):45-52 <a href="https://doi.org/10.31964/jkl.v22i1.920">10.31964/jkl.v22i1.920</a>	2025
	Alief Dwi Mellandri, Wahono Widodo, and <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.52562/biochephy.v4i2.1251">https://doi.org/10.52562/biochephy.v4i2.1251</a> .	2025
	<b>Fikky Dian Roqobih</b> , 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. <a href="https://doi.org/10.29303/jpm.v19i3.6463">https://doi.org/10.29303/jpm.v19i3.6463</a> .	2024
	Alyyah Fikrotun Nisa, Laily Rosdiana, <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.31289/jibioma.v6i2.4352">https://doi.org/10.31289/jibioma.v6i2.4352</a>	2024

	Ika Nur Aini, Laily Rosdiana, <b>Fikky Dian Roqobih</b> . Literature Review: The Potential of Soursop Leaves ( <i>Annona muricata</i> L.) as a Cholesterol-Lowering Drug. <i>USADHA</i> . 3(2). <a href="https://doi.org/10.36733/usadha.v3i2.9140">https://doi.org/10.36733/usadha.v3i2.9140</a>	2024
	Divani Mutiara, Wahono Widodo, and <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.52562/biochephy.v4i1.1128">https://doi.org/10.52562/biochephy.v4i1.1128</a> .	2024
	Ninik Puspito Rini, Wahono Widodo, and <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.52562/biochephy.v4i1.1127">https://doi.org/10.52562/biochephy.v4i1.1127</a> .	2024
	Fatimatuz Zahro, Laily Rosdiana, <b>Fikky Dian Roqobih</b> . Aquatic Ecorestoration Using Watercress ( <i>Nasturtium officinale</i> ) to Control Pollution Based on Rhizofiltration Technology. 7(3). <a href="https://doi.org/10.26760/jrh.v7i3.229-238">https://doi.org/10.26760/jrh.v7i3.229-238</a>	2023
	Manasye Viony, Laily Rosdiana, and <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.24252/higiene.v9i2.37901">https://doi.org/10.24252/higiene.v9i2.37901</a>	2023
	Achmad Choirul Fatikhin, Laily Rosdiana, <b>Fikky Dian Roqobih</b> . 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. <a href="https://doi.org/10.33061/innofarm.v25i2.9065">https://doi.org/10.33061/innofarm.v25i2.9065</a>	2023
	<b>Fikky Dian Roqobih</b> , Reni Ambarwati. Implementation of Blended Learning using Schoology On the Topic of Invertebrate to Improve Student Learning Outcomes. 2020. <i>Jurnal Inovasi Pembelajaran Biologi</i> , 1 (1): 24-34. <a href="https://doi.org/10.26740/jipb.v1n1.p24-34">https://doi.org/10.26740/jipb.v1n1.p24-34</a>	2020
<b>Activities in specialist bodies over the last 5 years</b>	-	