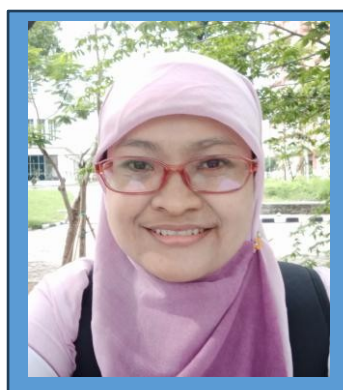


STAFF HANDBOOK



Name	Dr. Tutut Nurita, S.Pd.,M.Pd.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career	Bachelor Degree	Physics Education , Universitas Negeri Surabaya	Graduated 2005
	Master Degree	Science Education, Universitas Negeri Surabaya	Graduated 2008
	Doctoral Degree	Physics Education, Universitas Negeri Malang	Graduated 2025
Employment	Lecturer	Universitas Negeri Surabaya	2009 - now
Research and Development Project over the last 5 years	1. Integrating Educational Technology in Science Learning: Encouraging Deep Learning through Blended Learning and EDP Approaches		2025
	2. The Impact of ChatGPT Integration in the Debate Based on Inquiry Learning (DBOIL) Model on the Argumentation Skills of Prospective Science Teacher Students		2025
	3. The Relationship Between AI Literacy and Learning Outcomes of Pre-Service Science Teachers: A Perspective from Post-AI Taxonomy		2025
	4. Development of a Fluid Mechanics E-Module as a Learning Tool to Foster Students' Creative Thinking Skills in the Creating Domain of Anderson's Taxonomy		2024
	5. Analysis of the Effectiveness of the Construction Phases of the E-BL Learning Model: Comparison of the Theoretical Model with Empirical Data		2024
	6. Implementation of Problem-Based Blended Learning: Exploring Its Impacts and Challenges		2024
	7. Fostering Students' Creative Thinking Skills through the CBL-STEM Model on the Topic of Oscillations		2024
	8. Implementation of the ASTER Model Assisted by Artificial Intelligence to Facilitate Teaching Research Skills for Pre-Service Science Teachers		2024
	9. Fostering Students' Creative Thinking Skills through the CBL-STEM Model on the Topic of Oscillations		2023
			2023

	10. Development of an Assessment Instrument to Measure Students' Ability to Write Laboratory Reports Based on the Framework of Goals for Writing in Physics Labs 11. Implementing Collaborative Learning through Computer-Based Mind Mapping Strategies to Foster Students' Scientific Creative Ideas 12. Development of an Instrument to Identify the Characteristics of STEM Activities for Pre-Service Science Teachers 13. Optimizing Students' Science Process Skills for Science Learning through a Blended Learning Approach 14. Students' Mental Models of Thermodynamics: A Guided Inquiry Perspective 15. Sensitivity Test of Potassium Content in Seven Banana Varieties Using an Optical Fiber Sensor	2023 2022 2022 2021 2021
Industry Collaborations over the last 5 years	1. Assisting Science Teachers in Developing Deep Learning-Based Student Worksheets (LKPD) to Foster Students' Scientific Literacy 2. Conceptual Strengthening of Deep Learning for Teachers as a Means to Enhance Students' Understanding of the Learning Process at Hat Yai Rat Prachasun School, Thailand 3. Assisting Junior High School Science Teachers in Developing Worksheets (LKPD) through a Culturally Responsive Teaching Approach to Support the Implementation of the Merdeka Curriculum 4. Building Excellent Character through Video-Based Interactive Learning (H5P) to Strengthen Pancasila Student Profiles 5. Assisting Science Teachers in Developing Worksheets (LKPD) Based on the BONEX Model (Experiential Learning-Based) to Cultivate the Pancasila Student Profile (P3) Character in Junior High School Students in Mojokerto 6. Training in Designing Differentiated Instruction within the Framework of the Merdeka Curriculum for Science Teachers 7. Utilizing Virtual Lab-Based Worksheets to Optimize Blended Learning	2025 2025 2024 2024 2023 2022 2021
Patents and Property right	1. Fluid E-Module as a Learning Tool to Foster Creative Thinking Skills in the Creating Domain of Anderson's Taxonomy. E-Modul Fluida Sebagai Sarana Pembelajaran Untuk Mencapai Keterampilan Berpikir Kreatif Pada Ranah Mencipta Taksonomi Anderson. https://drive.google.com/file/d/1cn-XQoYRLfK-Pg2RPdXVXqJrZuRvkxO2/view?usp=sharing 2. Theory and Examples of Worksheets (LKPD) Based on Culturally Responsive Teaching (CRT) in Science Learning.	2024 2024

	Teori Dan Contoh LKPD Berbasis Culturally Responsive Teaching (CRT) Dalam Pembelajaran IPA. https://drive.google.com/file/d/1_7gokUb8cAP9V-b6jVKV6Bpe-41cL6AS/view?usp=sharing 3. H5P Worksheet for the Pancasila Student Profile Strengthening Project. Lembar Kerja H5P Proyek Penguatan Profil Pelajar Pancasila. https://drive.google.com/file/d/1flZvd8P6vfv5X6wUnFsGtJt38o4ixK0J/view?usp=sharing 4. Student Worksheet on Oscillations: The Megathrust Earthquake Topic. LKM Getaran Topik Gempa Megathrust. https://drive.google.com/file/d/1XkU4sa3gOStv-QFhV5YI_r58tBTUC0iB/view?usp=sharing 5. Case-Based Student Worksheet on the Topic of Oscillations. Lembar Kerja Mahasiswa Berbasis Kasus Pada Materi Getaran, https://drive.google.com/file/d/14rt-kUlz7CqWDWegWRy9QCwNyqp1sNRg/view?usp=sharing 6. An Assessment Instrument for Measuring Experimental Report Writing Skills Characterized by the Nature and Features of Science. Instrumen Pengukuran Keterampilan Menulis Laporan Hasil Eksperimen Berciri Nature And Feature Of Science https://drive.google.com/file/d/17TSZJd-aNDpYIPMXWTQnBcO5JFg7CWG4/view?usp=sharing 7. Instructional Video on Scientific Creative Ideas. Video Pembelajaran Terkait Ide Kreatif Ilmiah. https://drive.google.com/file/d/1-chpV1PGgEdYrF7mkR-7zrxP9btofyuN/view?usp=sharing	2024 2024 2023 2023 2023
Important Publications over the last 5 years	1. Tutut Nurita, An Nuril Maulida Fauziah, Muhamad Arif Mahdiannur, Ruruh Susilowati, Ahamad Fauzi Hendratmoko.(August,2025). Fostering Creative Thinking Skills in Creating Domain of Anderson's Taxonomy for Prospective Science Teachers Using E-Modul. TEM Journal. Volume 14, Issue 3,. Link 2. Fasih Bintang Ilhami, Tutut Nurita, Vivi Azmilah, Azzahra Vima Lika, Erina Maulidatul Komariyah, Hilmatul Aisyiyah, and Frengki Adolf Tanaem. Investigating the Potential of Marine Animal Bioelectricity as a Basis for Renewable Energy Development. Bioelectricity 2025 7:2, 115-124. https://doi.org/10.1089/bioe.2025.0001 3. Susiyawati, E., Erman, E., Nurita, T., Qosyim, A., & Roqobih, F. (2025). Collaborating Courses through Problem-Based Blended Learning: Analysis of Students'	2025 2025 2025

	Perspectives. <i>Journal of Problem Based Learning in Higher Education</i>, 13(1). https://doi.org/10.54337/ojs.jpblhe.v13i1.9054	
4.	Tutut Nurita, Lia Yuliati, Supriyono Koes Handayanto, Arif Hidayat, & Phurkonni Saleah. (2025). Case-Based Learning for Creative Thinking Skills on the Ideal Gas Law: Application of the Understanding by Design Framework. <i>Jurnal Pendidikan IPA Indonesia</i>, 14(1). https://doi.org/10.15294/jpii.v14i1.16938	2025
5.	Nurita, T., Yuliati, L., Mahdiannur, M. A., & Ilhami, F. B. (2024). The Effectiveness of Case-Based STEM Integrated with Mobile Simulation to Foster Students' Creative Thinking Skills. <i>International Journal of Interactive Mobile Technologies (IJIM)</i>, 18(07), pp. 97–106. https://doi.org/10.3991/ijim.v18i07.48069	2024
6.	Tutut Nurita, Lia Yuliati, Muhamad Arif Mahdiannur, Fasih Bintang Ilhami, An Nuril Maulida Fauziah, Ahmad Fauzi Hendratmoko, Sapti Puspitarini. (2024, January). Increasing Pre-service Science Teacher Creativity Through STEM Problem-Solving. <i>Jurnal Penelitian Pendidikan IPA</i>, 10(1), 72-79. Link	2024
7.	T. Nurita and J. Permatasari, "The impact of experiential learning toward students' science process skills on vibration chapter," <i>AIP Conference Proceedings</i>, vol. 3116, p. 100012, 2024. doi: 10.1063/5.0210434.	2024
8.	D. P. Sari, Erman, E. Susiyawati, T. Nurita, A. Qosyim, Mustaji, and Madlazim, "Generating creative scientific ideas in collaborative learning using computer-based mind mapping," <i>International Journal on Recent and Innovation Trends in Computing and Communication</i>, vol. 11, no. 9, 2023. [Online]. Available: https://core.ac.uk/download/pdf/603898791.pdf	2023
9.	Nurita, T., Fauziah, A. N. M. ., Mahdiannur, M. A. ., & Susiyawati, E. . (2023). The Contribution of the Inquiry Learning Model to Student Scientific Argumentation Skills on Fluid. <i>Jurnal Penelitian Pendidikan IPA</i>, 9(9), 7638–7644. https://doi.org/10.29303/jppipa.v9i9.4012	2023
10.	Susiyawati, E., Erman, Nurita, T., Sari, D. P., Mursyidah, R. W., & Qosyim, A. (2022). Analysing a gap between students' expectations and perceptions: The case of blended learning. <i>SHS Web of Conferences</i>, 149, 01004. https://doi.org/10.1051/shsconf/202214901004	2022
11.	WB Sabtiawan, E Sudibyo, T Nurita, B Setiawan, ANM Fauziah. Students' Perspectives: How do They want to be	

	Assessed? SHS Web of Conferences (Vol. 149, 01037). EDP Sciences. (November,2022). Link 12. Budiyanto, M., Sudibyo, E., Sabtiawan, W. B., & Nurita, T. (2021, December 16). Helium-Neon laser exposure to extracts of seven variations of bananas through fiber-optic to determine the potassium content in bananas. In <i>Proceedings of the International Joint Conference on Science and Engineering 2021 (IJCSE 2021)</i> (pp. 498–501). Atlantis Press. https://doi.org/10.2991/aer.k.211215.084 13. Nurita, T., Fauziah, A. N. M., Astriani, D., Erman, E., & Susiyawati, E. (2021, December 16). Mental model students on thermodynamics in the application of guided inquiry. In <i>Proceedings of the International Joint Conference on Science and Engineering 2021 (IJCSE 2021)</i> (pp. 390–394). Atlantis Press. https://doi.org/10.2991/aer.k.211215.067 14. An Nuril Maulida Fauziah, Tutut Nurita, M Arif Mahdiannur, Putri Wahyu Ramadhani. (2021). Development of earth and space knowledge competencies for science teacher candidates: Field-project based learning perspectives. Jurnal Penelitian Pendidikan IPA, 7(3), 474-480. Link 15. Astriani, D., Susiyawati, E., Nurita, T., Erman, E., & Fauziah, A. N. M. (2021). Student worksheets based on virtual labs: Efforts to optimize science practicum in pandemic time. <i>Science Education Journal (SEJ)</i>, 5(2), 122–131. https://doi.org/10.21070/sej.v5i2.1611	2022 2021 2021 2021 2021
Activities in specialist bodies over the last 5 years	Members of the Indonesian Science Educators Association	2021-2026