

## STAFF HANDBOOK



<b>Name</b>	<b>Dr. Titin Sunarti, M.Si</b>		
<b>Position</b>	<i>Wave and Optisc, entrepreneurship, Assessment of Learning Lecturer in Physics Education Study Program</i>		
	<b>Assistant Professor in Wave and optics</b>		
	<i>Degree</i>	<i>Universit y</i>	<i>Year</i>
<b>Academic career</b>	<b>Bachelor</b> at Physics Education	IKIP Negeri Surabaya -Indonesia	1982- 1986
	<b>Master</b> of Physics	Universitas Gajah Mada - Indonesia	1992- 1995
	<b>Doctor of Science</b> Education	Universitas Negeri Surabaya	2012- 2018
<b>Employment</b>	<i>Positio n</i>	<i>Employer</i>	<i>Period</i>
	Lecturer on Physics Education Study Program	Universitas Negeri Surabaya - Indonesia	1987- Now
	Secretary of the Physics Department	Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya - Indonesia	2004- 2012
	Head of Physics Study Program	Physics Department Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya - Indonesia	2004- 2012
	UPM Prodi S2 Pendidikan Sains	Pascasarjana Universitas Negeri Surabaya	2019-Now
<b>Research and development projects over the last 5 years</b>	2022- Profile of Higher Order Thinking Skills (HOTS) Students of the Department of Physics -Basic Research (FMIPA) LPPM- IDR 20,000,000  2022- Optimization of Project-Based Assessment in the Framework of Continuous Assessment of Postgraduate Students- Basic Research (Postgraduate) LPPM- IDR 25,000,000  2022- Training on Making Interactive Flip Book Media in Developing Science Literacy for Junior High School Science Teachers in Lamongan Regency- PKM Post-Assignment - 15,000,000  2022- Optimization of Publication Competency for Driving Teachers in Trenggalek Regency - Faculty Policy (FMIPA) - IDR 10,000,000		

	<p>2021 The Role of National Gerkaan Aware of Orderly GNSTA Archives in Supporting the Promotion Process of Professor at FMIPA Unesa- Research on Staff FMIPA- Rp.10,000,000</p> <p>2021 Development of Higher Order Thinking Skills (HOTS) and Literacy Instruments- PNBPNP Research (LPPM Research Basic Research Scheme)- Rp. 15,000,000</p> <p>2018: Equipping students' ecopreneurship skills by applying learning that integrates environmental literacy in Basic Physics - IDR courses. 10,000,000 (research chair)</p> <p>2019: Mapping and Evaluation of High School Physics Laboratory in East Java in an effort to Achieve Basic Competency (KD) Skills Curriculum 2013 through "Photovoice" IDR 250.000.000 (research member)</p> <p>2019: Identification of Misconceptions of New Students of the Physics Education Study Program 2019/2020 - IDR 10,000,000 (research member)</p> <p>2019. Analysis of Conception and Multirepresentation Skills of S2/53 Science Education Students - IDR 40.000.000 (research member)</p> <p>2019. Development of ORSAEV Learning Model to Improve Disaster Preparedness for Prospective Teacher Students - IDR 100.000.000 (research member)</p>	
<p><b>Patents and proprietary rights</b></p>	<p><b>Title</b></p>	<p><b>Year</b></p>
<p><b>Important publications over the last 5 years</b></p>	<p><b>Journal</b></p>	
	<p>Sunarti, T., Amiruddin, M. Z. B., Wasis, Setyarsih, W., Jauhariyah, M. N. R., &amp; Zainuddin, A. (2023). Discussion of Learning: Implementation and Effect on Critical Thinking Skills of Students in General Physics Courses. <i>Studies in Learning and Teaching</i>, 4(2), 260-272. <a href="https://doi.org/10.46627/silet.v4i2.225">https://doi.org/10.46627/silet.v4i2.225</a></p>	
	<p>Wasis, W., Sunarti, T., &amp; Jauhariyah, M. N. R. (2023). Implementation of Continuous-Assessment on Postgraduate Program. <i>IJORER : International Journal of Recent Educational Research</i>, 4(3), 254-270. <a href="https://doi.org/10.46245/ijorer.v4i3.279">https://doi.org/10.46245/ijorer.v4i3.279</a></p>	
	<p>Santoso, A. N., Sunarti, T., &amp; Wasis, W. (2023). Effectiveness of Contextual Phenomena-Based Learning to Improve Science Literacy. <i>International Journal of Current Educational Research</i>, 2(1), 17-26. <a href="https://doi.org/10.53621/ijocer.v2i1.205">https://doi.org/10.53621/ijocer.v2i1.205</a></p>	
	<p>Arrafi, W., Wasis, W., Ningsetyo, M., Amiruddin, M., Desysetyowati, N., &amp; Sunarti, T. (2023). Implementation of Probolinggo Local Wisdom-Based Problem-Based Learning Model to Improve the Science Literacy Skills of High School Students. <i>Physics Education Research Journal</i>, 5(1), 35-42. doi:<a href="https://doi.org/10.21580/perj.2023.5.1.14285">https://doi.org/10.21580/perj.2023.5.1.14285</a></p>	

	<p>Maulida, F., &amp; Sunarti, T. (2022). Pengembangan Instrumen Tes Literasi Sains Berbasis Kearifan Lokal Di Kabupaten Lamongan. <i>ORBITA: Jurnal Kajian, Inovasi Dan Aplikasi Pendidikan Fisika</i>, 8(1), 52–65. <a href="https://doi.org/10.31764/orbita.v8i1.8337">https://doi.org/10.31764/orbita.v8i1.8337</a></p>
	<p>Hidaayatullaah, H. N., Suprpto, N., Sunarti, T., &amp; Cheng, T.-H. (2022). Production Analysis and Scientific Mapping on Flipped Classroom Research During Covid-19. <i>Studies in Learning and Teaching</i>, 3(2), 132-146. <a href="https://doi.org/10.46627/silet.v3i2.224">https://doi.org/10.46627/silet.v3i2.224</a></p>
	<p>Hakim, A. R., Widodo, W., &amp; Sunarti, T. (2022). Profile of Toulmin's Scientific Arguments Students and Technological Utilities in Global Warming Topic. <i>JPPS (Jurnal Penelitian Pendidikan Sains)</i>, 12(1), 85–99. <a href="https://doi.org/10.26740/jpps.v12n1.p85-99">https://doi.org/10.26740/jpps.v12n1.p85-99</a></p>
	<p>Millenia, S. H., &amp; Sunarti, T. (2022). Analisis Riset Penerapan Model Pembelajaran Inkuiri Terbimbing Berbasis Literasi Sains dalam Pembelajaran Fisika. <i>EDUKATIF : JURNAL ILMU PENDIDIKAN</i>, 4(1), 1051–1064. <a href="https://doi.org/10.31004/edukatif.v4i1.2027">https://doi.org/10.31004/edukatif.v4i1.2027</a></p>
	<p>Aflah, N. S., &amp; Sunarti, T. (2022). Analisis Soal Fisika Berbasis High Order Thinking Skill dalam Penilaian Akhir Tahun di SMA. <i>PENDIPA Journal of Science Education</i>, 6(2), 573–579. <a href="https://doi.org/10.33369/pendipa.6.2.573-579">https://doi.org/10.33369/pendipa.6.2.573-579</a></p>
	<p>Sabrina, F., Rachmadiarti, F., &amp; Sunarti, T. (2021). Analysis Of Scientific Literacy Of Senior High School Students On Fluid Dynamics. <i>Jpps (Jurnal Penelitian Pendidikan Sains)</i>, 11(1), 40–51. <a href="https://doi.org/10.26740/jpps.v11n1.p40-51">https://doi.org/10.26740/jpps.v11n1.p40-51</a></p>
	<p>Murti, Wilis Wisnu, And Titin Sunarti. "Pengembangan Instrumen Tes Literasi Sains Berbasis Kearifan Lokal Di Trenggalek." <i>Orbita: Jurnal Kajian, Inovasi Dan Aplikasi Pendidikan Fisika</i>, Vol. 7, No. 1, 5 May 2021, P. 33, <a href="https://doi.org/10.31764/Orbita.v7i1.4386">https://doi.org/10.31764/Orbita.v7i1.4386</a>. Accessed 14 Sept. 2022.</p>
	<p>Sunarti, Titin, et al. "Analysis of the Development of Critical Thinking Instruments Test in Physics." <i>Www.atlantis-Press.com</i>, Atlantis Press, 16 Dec. 2021, <a href="http://www.atlantis-press.com/proceedings/ijcse-21/125966571">www.atlantis-press.com/proceedings/ijcse-21/125966571</a>.</p>
	<p>Suprpto, Nadi, et al. "Learning from Technopark: Exploring of Physics Concept through Advanced Technology." <i>Www.atlantis-Press.com</i>, Atlantis Press, 16 Dec. 2021, <a href="http://www.atlantis-press.com/proceedings/ijcse-21/125966473">www.atlantis-press.com/proceedings/ijcse-21/125966473</a>.</p>
	<p>Mahfudin, Moch Alif, et al. "Analysis of the Effectiveness Simulation-Based Visual Media in Learning Physics on Students Skills and Learning Outcomes during the Covid-19 Pandemic." <i>Www.atlantis-Press.com</i>, Atlantis Press, 16 Dec. 2021, <a href="http://www.atlantis-press.com/proceedings/ijcse-21/125966468">www.atlantis-press.com/proceedings/ijcse-21/125966468</a>.</p>

	Suprpto, Nadi, et al. "A Systematic Review of Photovoice as Participatory Action Research Strategies." International Journal of Evaluation and Research in Education, vol. 9, no. 3, 1 Sept. 2020, pp. 675–683, eric.ed.gov/?id=EJ1274909.		
	Zainuddin, et al. "The Correlation of Scientific Knowledge-Science Process Skills and Scientific Creativity in Creative Responsibility Based Learning." International Journal of Instruction, vol. 13, no. 3, 1 July 2020, pp. 307–316, eric.ed.gov/?id=EJ1259513		
	Sunarti, Titin, and Dilla Ayu Septiana. "The Effect of Problem Based Learning with Gallery Walk Strategy to Creativity and Communication Skills." Www.atlantis-Press.com, Atlantis Press, 1 Dec. 2019, www.atlantis-press.com/proceedings/miseic-19/125928580.		
	Iffah, Nur , and Titin Sunarti. "Keterlaksanaan Model Inkuiri Terbimbing Untuk Melatihkan Keterampilan Penyelesaian Masalah Peserta Didik Kelas X Sma." Inovasi Pendidikan Fisika, Vol. 08, No. 2, June 2019, Pp. 623–626.		
	Analysis of College Students' Misconception on Geometrical Optics Vol 1 ICST 2018. Atlantis Highlights in Engineering (AHE). <a href="https://doi.org/10.2991/icst-18.2018.18">https://doi.org/10.2991/icst-18.2018.18</a>		
	Penggunaan Facebook Sebagai Media Inovatif Dalam Pembelajaran Smp Dan Sma Di Perguruan Muhammadiyah Wiyung Surabaya. Jurnal ABDI- Media Pengabdian Kepada Masyarakat <i>Abadi</i> , Vol.3 No.2 Januari 2018, hal. 68 – 75 DOI: <a href="http://dx.doi.org/10.26740/ja.v3n2p68-75">http://dx.doi.org/10.26740/ja.v3n2p68-75</a>		
	The Effectivness Of CPI Model To Improve Positive Attitude Toward Science (Pats) For Pre-Service Physics Teacher. Vol. 997/2018' Journal of Physics : Conference Series (JPCS) : <a href="https://iopscience.iop.org/article/10.1088/1742-6596/997/1/012013">https://iopscience.iop.org/article/10.1088/1742-6596/997/1/012013</a>		
	The Effectivness Of CPI Model To Improve Science Literacy For Pre-Service Physics Teacher. V19-2018-1-8 <b>JSE. Journal of Science Education</b>		
	Effectiveness of literacy learning model to improve skills of scientific literacy learning plan for physics teacher candidates. IOPConf. Series: Journal of Physics: Conf. Series 1171 (2019) Journal of Physics: Conf. Series 1171 (2019) <a href="https://iopscience.iop.org/issue/1742-6596/1171/1">https://iopscience.iop.org/issue/1742-6596/1171/1</a>		
<b>Activities in specialist bodies</b>	<b>Organization</b>	<b>Position</b>	<b>Period</b>
	Physical Society of Indonesia (PSI)	Member	2018 – Now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2018– Now