

Meta Yantidewi, S. Si., M.Si.

Position	***Lecturer of Instrumentation Physics in Physics Study Program***		
	Assistant Professor in Instrumentation Physics of Physics Study Program		
	Degree	***University***	***Year***
Academic career	**Bachelor** at Physics	Universitas Negeri Surabaya - Indonesia	2002-2007
	Master at Physics	Institut Teknologi Sepuluh Nopember - Indonesia	2018-2011
	Peningkatan Keterampilan Dasar Teknik Instruksional (PEKERTI) dan Applied Approach (AA)	Universitas Negeri Surabaya - Indonesia	2014
	Training on Awareness and Internal Audit of Quality Management System ISO 9001:2015	TUV Rheinland Group and FMIPA Universitas Negeri Surabaya - Indonesia	2017
	Pendidikan dan Pelatihan Prajabatan CPNS Golongan III Angkatan XVIII Tahun 2016	Badan Pendidikan dan Pelatihan Provinsi Jawa Tengah - Indonesia	2016
	Government Employee in Ministry of Research, Technology and Higher Education as a Lecturer (now Ministry of Education and Culture)	Universitas Negeri Surabaya - Indonesia	2014-now
Employment	***Position***	***Employer***	***Period***
	Lecturer in Physics Study Program	Universitas Negeri Surabaya - Indonesia	2014-now
	Assistant Professor in Instrumentation Physics	Universitas Negeri Surabaya - Indonesia	2019-now
	Student Activities Supervisor	Department of Physics, Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya- Indonesia	2019-…
	Data Update Team	Department of Physics, Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya- Indonesia	2014-now
	Journal of Physics Research and Its Application (JPFA) editorial team	Unesa-Indonesia	2015-now
	Inovasi Fisika Indonesia (IFI) editorial team	Unesa-Indonesia	2019-…

	Title	Year
Research and development projects over the last 5 years	Optical Properties Characterization of Erbium Doped Tellurite Glass for Laser Applications - Faculty of Mathematics and Natural Sciences Research Project - IDR 10,000,000 (research member)	**2016**
	The Development of Advanced Electronics Teaching Material using Problem Based Learning Approach - IDR 10,000,000 (research member)	**2016**
	The Development of Teaching Material in Sensor System Course - IDR 10,000,000 (research leader)	**2017**
	Tracer Study in Physics Program - Faculty of Mathematics and Natural Sciences Research Project - IDR 10,000,000 (research leader)	**2018**
	The Development of Environment-Based Learning for Basic Natural Science Lecture Using Vi-Learn - Unesa's Research project of e-learning research - IDR 20,000,000 (research leader)	**2019**
	Development of Robotic Arm Module for Control System Learning Media - IDR 10,000,000 (research leader)	**2019**
Patents and proprietary rights	**Title**	**Year**
	Nurita Apridiana Lestari, Utama Alan Deta, Meta Yantidewi, Sistem Pengukuran Fisika (HaKI EC00201976376)	19 August 2019 – 19 August 2069
Important publications over the last 5 years	Title	Year
	MNR Jauhariyah, W Setyarsih, **M Yantidewi**, A Marzuki, Cari. 2017. Refractive index measurement of tellurite glasses by using Brewster angle method. *Proceeding-2016 International Seminar on Sensors, Instrumentation, Measurement, and Metrology, ISSIMM 2016* (IEEEXplore)	2017
	M Yantidewi, T Prastowo, A Arief. 2018. Pengukuran Koefisien Muai Volume Minyak Nabati dan Air Berdasarkan Relasi Linear Antara Perubahan Volume dan Perubahan Temperatur. *JIPFRI (Jurnal Inovasi Pendidikan Fisika dan Riset Ilmiah).* DOI: https://doi.org/10.30599/jipfri.v2i1.160	2018
	M Yantidewi, UA Deta, NA Lestari. 2018. A Real-Time System for Monitoring Methane Level in Biogas Production A Preliminary Study. *International Conference on Science and Technology (ICST 2018).* DOI: https://dx.doi.org/10.2991/icst-18.2018.41	2018
	M Yantidewi, T Prastowo, UA Deta. 2018. Pelatihan Pembuatan Alat Peraga Mesin Stirling untuk Guru Fisika SMA. *Jurnal Abdi: Media Pengabdian Kepada Masyarakat* **4** (1) 51-54. DOI: https://dx.doi.org/10.26740/ja.v4n1.p51-54	2018
	NA Lestari, N Suprapto, UA Deta, **M Yantidewi**. 2018. Implementation of Multimodel Active Learning to Improve Basic Teaching Skills of Pre-Service Physics Teachers. *Journal of Physics: Conference Series* **1108** (1) 012119. DOI: https://doi.org/10.1088/1742-6596/1108/1/012119	2018
	M Yantidewi, NA Lestari, UA Deta. 2018. Conducting A Real-Time Instrument System for Observing Biogas Digester's Temperature and Humidity. *Proceedings of the Mathematics, Informatics, Science, and Education*	2018

	International Conference (MISEIC 2018) in Advances in Intelligent Systems Research. DOI: https://dx.doi.org/10.2991/miseic-18.2018.58	
	M Yantidewi, MS Muntini, UA Deta, NA Lestari. 2018. The Design of a PC-Based Real-Time System for Monitoring Methane and Oxygen Concentration in Biogas Production. *Journal of Physics: Conference Series* **997**(1) 012018. DOI: https://doi.org/10.1088/1742-6596/997/1/012018	2018
	UA Deta, NA Lestari, **M Yantidewi**, Suparmi, Cari. 2018. The D-Dimensional Non-Relativistic Particle in the Scarf Trigonometry plus Non-Central Rosen-Morse Potentials. *Journal of Physics: Conference Series* **997**(1) 012014. DOI: https://doi.org/10.1088/1742-6596/997/1/012014	2018
	A Nurlailiyah, UA Deta, T N Ain, MS Haq, NA Lestari, **M Yantidewi**. 2019. Analysis of High School Physics National Examination Questions Based on Bloom Taxonomy and National Examination Question Standard in 2017/2018. *Journal of Physics: Conference Series* **1171** (1) 012041. DOI: https://doi.org/10.1088/1742-6596/1171/1/012041	2019
	NA Lestari, UA Deta, **M Yantidewi**, R Firmansyah. 2019. Reinforcing Scientific Skills Based on Laboratory for Pre-Service Physics Teacher by Measurement System Understanding. *Journal of Physics: Conference Series* **1171** (1) 012049. DOI: https://doi.org/10.1088/1742-6596/1171/1/012049	2019
	U A Deta, I Prakoso, P Z R Agustina, R N Fadillah, N A Lestari, M Yantidewi, S Admoko, A Zainuddin, A Nurlailiyah and B K Prahani. 2020. Science Process Skills Profile of Non-Science Undergraduate Student in Universitas Negeri Surabaya. Journal of Physics: Conference Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012067	2020
	A N Albab, E Rahmawati, M Yantidewi, I Sucahyo, Dzulkiflih and R R Firmansyah. 2020. Control Position of Mobile Robot Based on Odometry Method and PID Controller. Journal of Physics: Conference Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012039	2020

Activities in specialist bodies	***Organization***	***Position***	***Period***
	Physical Society of Indonesia (PSI)	Member	2018 – Now