



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-... |

| | | |
|--|---|---------------------------------|
| Research and development projects over the last 5 years | Title | Year |
| | 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. <i>Proceeding-2016 International Seminar on Sensors, Instrumentation, Measurement, and Metrology, ISSIMM 2016 (IEEEExplore)</i> | 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. <i>JIPFRI (Jurnal Inovasi Pendidikan Fisika dan Riset Ilmiah)</i> . 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. <i>International Conference on Science and Technology (ICST 2018)</i> . 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. <i>Jurnal Abdi: Media Pengabdian Kepada Masyarakat</i> 4 (1) 51-54. DOI: https://dx.doi.org/10.26740/ja.v4n1.p51-54 | 2018 |
| | NA Lestari, N Suprpto, UA Deta, M Yantidewi . 2018. Implementation of Multimodel Active Learning to Improve Basic Teaching Skills of Pre-Service Physics Teachers. <i>Journal of Physics: Conference Series</i> 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. <i>Proceedings of the Mathematics, Informatics, Science, and Education</i> | 2018 |

| | | | | |
|--|---|-----------------|---------------|------|
| | <i>International Conference (MISEIC 2018) in Advances in Intelligent Systems Research</i> . 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. <i>Journal of Physics: Conference Series</i> 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. <i>Journal of Physics: Conference Series</i> 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. <i>Journal of Physics: Conference Series</i> 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. <i>Journal of Physics: Conference Series</i> 1171 (1) 012049. DOI: https://doi.org/10.1088/1742-6596/1171/1/012049 | | | 2019 |
| Activities in specialist bodies | Organization | Position | Period | |
| | Physical Society of Indonesia (PSI) | Member | 2018 – Now | |