



Nugrahani Primary Putri, M.Si

| Position | <i>Mechanics, Physical Mathematics and Material Science Lecturer in Physics Department</i> | | |
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| | Assistant Professor in Material Physics | | |
| | <i>Degree/Non-Degree</i> | <i>University</i> | <i>Year</i> |
| Academic career | Bachelor program at Physics Department | Bogor Institute of Agricultural (IPB University)-Indonesia | 1995-1999 |
| | Master Program at Physics Department | Sepuluh Nopember Institute of Technology (ITS)-Indonesia | 2007-2009 |
| | Government Employer at Ministry of Research, Technology and Higher Education as a Lecturer Institution (now Ministry of Education and Culture) | Unesa – Indonesia | 2005-now |
| | Pendidikan dan Pelatihan Prajabatan Golongan III Angkatan XVIII | Badan Pendidikan dan Pelatihan Jawa Timur | 2005 |
| | Peningkatan Keterampilan Dasar Teknik Instruksional (PEKERTI) dan Applied Approach (AA) | Universitas Negeri Surabaya - Indonesia | 2013 |
| | Internal Quality Audit Training based on ISO 9001:2008 and 19011:2011 | PT. First Consulting Indonesia | 2015 |
| | Training on Awareness and Internal Audit of Quality Management System ISO 9001:2015 | TUV Rheinland Group and FMIPA Universitas Negeri Surabaya - Indonesia | 2017 |
| | Workshop Electrospinning | Lembaga Penelitian dan Pengabdian ITB, Bandung | 2017 |
| Employment | <i>Position</i> | <i>Employer</i> | <i>Period</i> |
| | Lecturer on Physics Study Program | Unesa, Indonesia | 2005-2011 |
| | Assistant Professor in Physics Department | Unesa, Indonesia | 2011-Now |
| | Member of Quality Assurance Unit (UPM) in Physics Department | Unesa, Indonesia | 2013-2016 |
| | Member of Quality Assurance Group (GPM) of the Faculty of Mathematics and Natural Sciences Unesa | Unesa, Indonesia | 2016-now |
| Coordinator of the Basic Physics | Unesa, Indonesia | 2012-now | |

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| | Laboratory in Physics Department | | |
| Research and development projects over the last 5 years | 2016: Optimization of Limestone-Based Nanocalcite Purification by Coprecipitation Method - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research chair) | | |
| | 2016: Characterization of Polyaniline / Metal Oxide Composites as Microwaves - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research member) | | |
| | 2017: Utilization of water hyacinth as a humidity sensor - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research chair) | | |
| | 2017: Rice Husk As A Battery-Powered Cathode Material - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research member) | | |
| | 2018: Synthesis of Reduced Graphene Oxide Based on Coconut Shell Waste - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research chair) | | |
| | 2019: Polyaniline Thin Layer Deposition as Active Material of QCM Sensor – Universitas Negeri Surabaya (Unesa) Project - IDR 40,000,000 (research chair) | | |
| | 2019: Effect of Ultrasonication on the Characteristics of RGO Coconut Shell as Supercapacitor Electrodes - Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research member) | | |
| Patents and proprietary rights | Title | Year | |
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| Important publications over the last 5 years | Title | Year | |
| | NP Putri , DH Kusumawati, L Agustina, Munasir. 2019. Effect of calcination temperature on characteristics of reduced Graphene Oxide (rGO) made from old coconut shell. <i>Journal of Physics: Conf. Series</i> . 1171 (012042). doi:10.1088/1742-6596/1171/1/012042 | 2019 | |
| | NP Putri , RP Lavinia, DJ Djoko HS, Masruroh, SP Sakti. 2018. The effect of oxygen plasma treatment on the hydrophobicity of polyaniline surface. <i>Atlantis Highlights in Engineering (AHE)</i> , 1 779-784. | 2018 | |
| | Munasir, DH Kusumawati, Sunaryono, NP Putri , N Hidayat, A Taufiq, ZAI Supardi. 2018. Synthesis and Characterization of γ -Al ₂ O ₃ /SiO ₂ Composite Materials. <i>Journal of Physics: Conf. Series</i> 1093 (012015). DOI :10.1088/1742-6596/1093/1/012015. | 2018 | |
| | Munasir, ZAI Supardi, Mashadi, Z Nisa, DH Kusumawati, NP Putri , A Taufiq, Sunaryono, N Hidayat, Darminto. 2018. Phase Transition of SiO ₂ Nanoparticles Prepared from Natural Sand: The Calcination Temperature Effect. <i>Journal of Physics: Conf. Series</i> 1093 (012025). DOI :10.1088/1742-6596/1093/1/012025. | 2018 | |
| | Munasir, AS Dewanto, DH Kusumawati, NP Putri , A Yulianingsih, IKF Sa'adah, A Taufiq, N Hidayat, S Sunaryono, ZAI Supardi. 2018. Structure Analysis of Fe ₃ O ₄ @SiO ₂ Core Shells Prepared from Amorphous and Crystalline SiO ₂ Particles. <i>Materials Science and Engineering</i> 367 (012010). DOI:10.1088/1757- | 2018 | |

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| | 899X/367/1/012010. | | |
| | Munasir, NRD Luvita, DH Kusumawati, NP Putri , Triwikantoro and ZAI Supardi. 2018. Synthesis of PANi-SiO ₂ Nanocomposite with In-Situ Polymerization Method: Nanoparticle Silica (NPS) Amorphous and Crystalline Phase. <i>Journal of Physics: Conference Series</i> 776 (12502). DOI:10.1088/1742-6596/997/1/012052 | | 2018 |
| | NP Putri , DH Kusumawati, N Widiyanti. 2018. Synthesis of polyaniline/cellulose composite as humidity sensor. <i>Journal of Physics: Conference Series</i> 776 (012009). DOI :10.1088/1742-6596/997/1/012009 | | 2018 |
| | R Novita, NP Putri . 2017. Sintesis Lapisan Tipis PANi/PVA sebagai Bahan Elektrokromik. <i>Jurnal Sains & Matematika</i> 5 (2) | | 2017 |
| | NP Putri , DH Kusumawati. 2016. Purification of Nano Calcite Based Limestone with Coprecipitation Method. <i>Jurnal Sains & Matematika</i> 5 (1) 12-15. | | 2016 |
| Activities in specialist bodies | Organization | Position | Period |
| | Physical Society of Indonesia (PSI) | Member | 2018 – Now |