

Nugrahani Primary Putri, M.Si

Position	***Mechanics, Physical Mathematics and Material Science Lecturer in Physics Department***		
	Assistant Professor in Material Physics		
	Degree/Non-Degree	***University***	***Year***
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	***Position***	***Employer***	***Period***
	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 Laboratory in Physics Department	Unesa, Indonesia	2012-now

Research and development projects over the last 5 years	**2016:** Optimization of Limestone-Based Nanocalsite 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	**Tittle**	**Year**

Important publications over the last 5 years	**Title**	**Year**
	D H Kusumawati, N P Putri, Asnawi, T S Dewi and Munasir. 2020. Porosity Characteristics and Electrochemical Performance of rGO Coconut Shell as Supercapacitor Electrodes. Journal of Physics: Conference Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012058	2020
	Munasir Munasir , Nurul Hidayat , Diah Hari Kusumawati , Nugrahi Primary Putri , Ahmad Taufiq , and Sunaryono Sunaryono. 2020. Amorphous-SiO2 nanoparticles for water treatment materials. AIP Conf. Proc. 2251, 040030-1–040030-7. https://doi.org/10.1063/5.0015673	2020
	Moch. Saifur Rijal, Antony Mahendra , Kusuma Dwi Lestari, Aprillia Nurcahya Putri, Munasir Munasir, Diah Hari Kusumawati, Nugrahani Primary Putri, Zainul Arifin Imam, Nurul Hidayat , Ahmad Taufiq, and Sunaryono Sunaryono. 2020. Graphene from glucose coated silica sand for water purification applications. AIP Conf. Proc. 2251, 040010-1–040010-6. https://doi.org/10.1063/5.0015680	2020
	E I P Rahay1 and N P Putri. 2020. The Effect of Solution Concentration and Deposition Time on Viscoelasticity and Morphology of Polyaniline Coating. Journal of Physics: Conference	2020

	Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012050	
	NP Putri, DH Kusumawati, L Agustina, Munasir. 2019. Effect of calcination temperature on characteristics of reduced Graphene Oxide (rGO) made from old coconut shell. *Journal of Physics: Conf. Series*. **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. *Atlantis Highlights in Engineering (AHE)*, **1** 779-784.	2018
	Munasir, DH Kusumawati, Sunaryono, **NP Putri**, N Hidayat, A Taufiq, ZAI Supardi. 2018. Synthesis and Characterization of γ-Al_2O_3/SiO_2 Composite Materials. *Journal of Physics: Conf. Series* **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. *Journal of Physics: Conf. Series* **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_3O_4@SiO_2 Core Shells Prepared from Amorphous and Crystalline SiO_2 Particles. *Materials Science and Engineering* **367** (012010). DOI:10.1088/1757-899X/367/1/012010.	2018
	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. *Journal of Physics: Conference Series* **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. *Journal of Physics: Conference Series* **776** (012009). DOI :10.1088/1742-6596/997/1/012009	2018
	R Novita, **NP Putri**. 2017. Sintesis Lapisan Tipis PANi/PVA sebagai Bahan Elektrokromik. *Jurnal Sains & Matematika* **5** (2)	2017
	NP Putri, DH Kusumawati. 2016. Purification of Nano Calcite Based Limestone with Coprecipitation Method. *Jurnal Sains & Matematika* **5** (1) 12-15.	2016

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