

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)

2020: Development of Customer Satisfaction Measurement Instruments FMIPA Unesa – IDR 15,000,000 (research member)

2020: The Effect of the Double Boiler Process on Betel Leaf (Piper Betle L.) Processing to Maintain Tannin Content as A Natural Antiseptic In Making Hand Sanitizers To Prevent The Spread Of Covid-19 – IDR 15,000,000 (research member)

2021: Characteristics of Fe3O4 Nanoparticles from Tulungagung Mineral Sand as an antibacterial material for teeth – IDR 20,000,000 (research member)

Patents and proprietary rights

Tittle	Year
Test antibacterial activity of Nganjuk, Sidoarjo and Batu green Betel (Piper Betle Linn) extract, to the growth of ESCHERICHIA COLI BACTERIA (ATCC 8739), SALMONELLA SP. (ATCC 14028), STAPHYLOCOCCUS AUREUS (ATCC 6538) and PSEUDOMONAS AERUGINOSA (ATCC 9027), registered	2020

Important publications over the last 5 years

Title	Year
Effect of Evaporation Deposition Time on Thickness and Impedance Value of Polyaniline Layers. Journal of Physics: Conference Series Vol 1085. https://iopscience.iop.org/article/10.1088/1742-6596/1805/1/012035	2021

	Online Teaching In Mathematics And Natural Sciences Faculty, Universitas Negeri Surabaya In Early Pandemic Of Covid-19: Preparation, Implementation, And Assessment. Jurnal Penelitian Pendidikan IPA, vol. 5 no.1. DOI: http://dx.doi.org/10.26740/jppipa.v5n1.p15-18	2020
	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 Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012050	2020
	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)	2018

	Amorphous and Crystalline Phase. *Journal of Physics: Conference Series* **776** (12502). DOI:10.1088/1742-6596/997/1/012052	
	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