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Bachelor of Physics

STAFF HANDBOOK

Name	<i>Dyah Kurniawati Agustika, S.Si., M.Sc</i>		
Post	<i>Physics</i>		
Academic career	<i>Undergraduate degree</i>	<i>UNY</i>	<i>2008</i>
	<i>Master degree</i>	<i>UGM</i>	<i>2012</i>
Employment	<i>Lecturer</i>	<i>Universitas Negeri Yogyakarta</i>	<i>2014- now</i>
Research and development projects over the last 5 years	<i>1. Penelitian Kompetitif Nasional (PT 2019) Rancang Bangun Sistem Phonocardiography dengan Analisis Wavelet Menggunakan Vektor Basis Baru untuk Mendukung Peningkatan Akurasi Diagnosis Kelainan Jantung Partner: Sumarna, Juli Astono, Agus Purwanto Rp. 107.900.000</i> <i>2. DIPA UNY (RG 2019) Stimulator pertumbuhan dan produktivitas tanaman pangan menggunakan suara burung Partner: Nur Kadarisman, Agus Purwanto Rp. 18.000.000</i> <i>3. Penelitian Kompetitif Nasional (PSN Institusi 2018) Rancang Bangun Sistem Phonocardiography dengan Analisis Wavelet Menggunakan Vektor Basis Baru untuk Mendukung Peningkatan Akurasi Diagnosis Kelainan Jantung Partner: Juli Astono; Agus Purwanto; Sumarna; Rp. 60.000.000</i>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		

Important publications over the last 5 years	<i>Fourier transform infrared spectrum pre-processing technique selection for detecting PYLCV-infected chilli plants</i> <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i>, 278(121338), 2022 <i>Gas chromatography-mass spectrometry analysis of compounds emitted by pepper yellow leaf curl virus-infected chili plants: A preliminary study</i> <i>Separations</i>, 8(9), 2021 <i>Classification of Chili Plant Origin by Using Multilayer Perceptron Neural Network</i> <i>International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)</i>, 175334, 365-369, 2021 <i>Steady-state response feature extraction optimization to enhance electronic nose performance</i> <i>2020 7th International Conference on Electrical Engineering, Computer Sciences and Informatics (EECSI) (pp. 144-149)</i> <i>Characterization of sound spectrum based on natural animals as an alternative source of harmonic system audio bio stimulators for increasing productivity of food plants</i> <i>Journal of Physics: Conference Series</i> 1387 (1), 012098, 2019
Activities in specialist bodies over the last 5 years	-