



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS EDUCATION
PHYSICS STUDY PROGRAM

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Bachelor of Physics

STAFF HANDBOOK

Name	<i>Dr. Supardi, M.Si</i>		
Post	<i>Physics</i>		
Academic career	<i>Undergraduate degree</i>	<i>UGM</i>	<i>1997</i>
	<i>Master degree</i>	<i>UGM</i>	<i>2003</i>
	<i>Doctoral degree</i>	<i>UGM</i>	<i>2018</i>
Employment	<i>Lecturer</i>	<i>Universitas Negeri Yogyakarta</i>	<i>1998 - now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. <i>Penelitian Kompetitif Nasional (PKPT 2022) Pengukuran Karakter Huma Betang untuk Pembelajaran Daring pada Siswa Sekolah Menengah di Kalimantan Tengah Partner: Desy Kumala Sari; Supahar; Yoan Theasy; Pri Ariadi Cahya Dinata Rp. 52.500.000</i> 2. <i>DIPA UNY (RGI 2021) Rancang bangun automatic audio bioharmonic system sebagai stimulator pertumbuhan tanaman dengan kontrol jarak jauh (remote control) Partner: Nur Kadarisman; Agus Purwanto; Rp. 18.000.000</i> 3. <i>DIPA UNY (PBI 2020) Pengembangan instrumen penilaian diagnostik secara online (DOA) dalam mendeteksi kemampuan literasi data dan representasi grafik peserta didik SMA materi termodinamika Partner: Warsono; Supahar; Rp. 20.000.000</i> 4. <i>DIPA UNY (RG 2020) Rancang bangun otomatisasi audio bio harmonic system (ABHS) sebagai stimulator pertumbuhan dan produktivitas tanaman pangan Partner: Nur Kadarisman; Agus Purwanto;</i> 		

	<p><i>Rp. 18.000.000</i></p> <p>5. <i>DIPA UNY (PPD 2019)</i> <i>Pengkajian sifat-sifat fisis elastomer kristal cair rantai utama (MCLCE)</i> <i>Partner: -</i> <i>Rp. 20.000.000</i></p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	<i>Instrumen Karakter Huma Betang Untuk Pembelajaran Fisika</i> 2022
Important publications over the last 5 years	<p><i>Graphite Exfoliation using MnO₂ Paste via Sonication in Irradiated Water for Volumetric-Shrinkage Resistant Sponge</i> <i>Trends in Sciences, 19(6), 2022</i></p> <p><i>Singularitas Efek Tepi dari Diskontinuitas Saluran pada Resonator Silinder Tipe-H</i> <i>Jurnal Sains Dasar, 11(1), 46-57, 2022</i></p> <p><i>Crystalline Band Energy Simulation as a Materials and Programming Project during the Covid-19 Pandemic</i> <i>TEM Journal, 11(2), 981-987, 2022</i></p> <p><i>Mixing of graphite with x-ray irradiated water towards the exfoliation of graphene layers</i> <i>Nanoscience and Nanotechnology - Asia, 10(4), 548-556, 2020</i></p> <p><i>X-ray irradiation of graphite solution from carbon rods of zinc-carbon battery wastes assisted by commercial detergent</i> <i>AIP Conference Proceedings, 2169, 2019</i></p>
Activities in specialist bodies over the last 5 years	-