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	*Dr. Supardi, M.Si*		
Post	*Physics*		
Academic career	*Undergraduate degree*	*UGM*	*1997*
	Master degree	*UGM*	*2003*
	Doctoral degree	*UGM*	*2018*
Employment	*Lecturer*	*Universitas Negeri Yogyakarta*	*1998 - now*
Research and development projects over the last 5 years	1. *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* 2. *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* 3. *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* 4. *DIPA UNY (RG 2020)* *Rancang bangun automatisasi audio bio harmonic system (ABHS) sebagai stimulator pertumbuhan dan produktivitas tanaman pangan* *Partner: Nur Kadarisman; Agus Purwanto;*		

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