

Staff Handbook

Name	Fera Aulia, S.Si., M.Biotech.		
Post	Teaching Staff in Biotechnology Environmental Biotechnology		
Academic career	Teaching staff	Dept. of Biology Education, Universitas Negeri Yogyakarta	2022-now
	Master Degree (Biotechnology)	Biotechnology Department, Universitas Gadjah Mada	2018-2020
	Bachelor Degree (Biology)	Dept. of Biology Education, Universitas Negeri Yogyakarta	2014-2018
Employment	Position	Employer	Period
	Teaching staff (Biotechnology)	Ministry of Higher Education, Science, and Technology, Republic of Indonesia	2022- now
Research and development projects over the last 5 years	Year	Topic	Funding
			Source Ammount (Rp.)
	Research Experiences		
	2025	Pengembangan Fungi Plastisphere Indigenos Indonesia yang Berpotensi sebagai Agen Pendegradasi Limbah Plastik Development of Indigenous Indonesian Plastisphere Fungi with Potential as Plastic Waste-Degrading Agents	UNY 52.000.000
	2025	Pengaruh Induksi Variasi Jenis Rhizobacteria terhadap Kemampuan Pteris Vittata L sebagai Tanaman Potensial Hiperakumulator untuk Agen Phytomining Emas di Lahan Bekas Tambang Effect of Rhizobacterial Species Variation on the Phytomining Potential of Pteris vittata L. as a Gold Hyperaccumulator Plant in Post-Mining Land	UNY 30.000.000
	2024	Toxicity assessment and biodegradation of diisobutyl phthalate using laccase produced by marine plastisphere fungi	UNY 60.000.000

	2024	Karakterisasi Fungi Plastisphere yang Berpotensi sebagai Agen Pendegradasi Limbah Masker <i>Characterization of Plastisphere Fungi with Potential as Mask Waste-Degrading Agents</i>	UNY	45.000.000
	2024	Pemanfaatan Mikroorganisme Lokal Limbah Organik Pasar untuk pembuatan Pupuk Padat dan Cair Ramah Lingkungan <i>Utilization of Local Microorganisms from Market Organic Waste for the Production of Environmentally Friendly Solid and Liquid Fertilizers</i>	UNY	30.000.000
	2023	Formulasi dan Analisis Fisikokimia Biologis Kopi Fermentasi dengan Berbagai Starter Mikrobial <i>Formulation and Physicochemical-Biological Analysis of Fermented Coffee Using Various Microbial Starters</i>	UNY	24.000.000
	Community Services Experiences			
	2025	Pelatihan dan Pendampingan Pembuatan Beberapa Produk Jamu Herbal untuk Memanfaatkan Potensi Lokal dan Kewirausahaan Masyarakat Desa Banaran Gunung Kidul <i>Training and Assistance in the Production of Various Herbal Jamu Products to Harness Local Potential and Promote Entrepreneurship in Banaran Village, Gunung Kidul</i>	UNY	35.000.000
	2025	Penerapan Mikrobiologi Lingkungan untuk Konservasi dan Pengelolaan Limbah di Kawasan Wisata Sendang Sombomerti <i>Application of Environmental Microbiology for Conservation and Waste Management in the Sendang Sombomerti Tourism Area</i>	UNY	10.000.000
	2024	Workshop Identifikasi Potensi Hazard Bahan Pangan sebagai Upaya Menunjang SDGs Kehidupan Sehat dan Sejahtera <i>Workshop on Identifying Food Hazard Potential to Support the SDGs for Good Health and Well-Being</i>	UNY	25.000.000

	2024	Pelatihan budidaya maggot untuk meningkatkan ketrampilan masyarakat dalam pengolahan limbah organik rumah tangga dan menciptakan peluang usaha di Kelurahan Umbulmartani, Ngemplak, Sleman, DIY <i>Maggot Cultivation Training to Improve Community Skills in Household Organic Waste Processing and Create Business Opportunities in Umbulmartani Subdistrict, Ngemplak, Sleman, Yogyakarta</i>	UNY	10.000.000
	2024	Pemberdayaan Masyarakat Dalam Pengelolaan Limbah Organik Menjadi Ekoenzim Multi Guna dan Ramah Lingkungan <i>Community Empowerment in Organic Waste Management through the Production of Multi-Purpose and Eco-Friendly Eco-Enzymes</i>	UNY	15.000.000
	2023	Penanganan Sampah Organik Sampai Tuntas Melalui Biopori dan Sistem Ember Tumpuk <i>Comprehensive Organic Waste Management Using Biopore and Stacked Bucket Systems</i>	UNY	15.000.000
	2023	Peningkatan Kapasitas Guru MIN se-Daerah Istimewa Yogyakarta dalam Bidang IPA untuk Persiapan Olimpiade Sains Nasional <i>Capacity Building for MIN Teachers across Yogyakarta Special Region in Science Education for National Science Olympiad Preparation</i>	UNY	8.000.000
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>			
Patents and proprietary rights	<i>Title</i>			<i>Year</i>
	Buku Panduan Kapang Plastisphere Pantai Indonesia: Teknik Isolasi serta Identifikasi Makroskopis dan Mikroskopis <i>(Guidebook on Plasticphere Fungi from Indonesian Beaches: Isolation Techniques</i>			2025

	and Macroscopic & Microscopic Identification) 2025 Buku Saku Budidaya Maggot untuk Pengolahan Limbah Dapur (Pocket Book on Maggot Cultivation for Kitchen Waste Processing) 2024 Buku Saku Ekoenzim (Pocket Book on Eco-Enzymes) 2024 Video Uji Cemaran Kimia Pada Bahan Pangan (Video on Chemical Contaminant Testing in Food Ingredients)						
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number): 8 Author(s): Risma Wiharyanti, Kartika Ratna Pertiwi, Fera Aulia Title: Bioactive Compounds and Their Benefit to Health: A Scoping Review of Fermented Coffee IOP Publishing, United Kingdom, IOP Conference Series: Earth and Environmental Science, 2024, Volume 1425, Issue 1						
Activities in specialist bodies over the last 5 years	<table><tr><td>Organisation</td><td>Role</td><td>Period</td></tr><tr><td>Himpunan Pendidik dan Peneliti Biologi Indonesia (HPPBI)</td><td>Member</td><td>2023-2026</td></tr></table>	Organisation	Role	Period	Himpunan Pendidik dan Peneliti Biologi Indonesia (HPPBI)	Member	2023-2026
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