

STAFF HANDBOOK



Name	Dr. Mohammad Budiyanto, S.Pd.,M.Pd.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career	Bachelor Degree	Physics Education, Universitas Negeri Surabaya	Graduated 2001
	Master Degree	Science Education, Universitas Negeri Surabaya	Graduated 2003
	Doctoral Degree	Mathematics and Natural Science, Universitas Airlangga	Graduated 2018
Employment	Lecturer	Universitas Negeri Surabaya	2008 - now
Research and Development Project over the last 5 years	1. Study of the Effects of Anticancer Pharmacology on the Combination of Bitter Herbs Made from Sambiloto: Herbal Medicine Scientific Efforts Towards the Development of Phytopharmaceuticals (Autor: Sapti Puspitarini, Nurina Rizka Ramadhania, Mohammad Budiyanto & Hasan Subekti)		2025
	2. Studi Pengaruh Suhu pada Proses Ekstraksi Air Tanaman Herbal Terhadap Kandungan Senyawa Metabolit dan Aktivitas Antioksidan dalam Upaya Saintifikasi Jamu Tradisional (Autor: Sapti Puspitarini, Mohammad Budiyanto &Fasih Bintang Ilhami)		2025
	3. Uji Kandungan Kalsium Pisang Menggunakan Spectrometer Uv-Fis Untuk Memilih Makanan Terbaik Bayi (Autor: Mohammad Budiyanto, Sapti Puspitarini, & Fasih Bintang Ilhami)		2024
	4. Implementation of Photosensitizer Ekstrak Meniran (Phyllanthus niruri) Berhias Zinc Oxide Nanokomposit Sebagai Agen Antikanker Berbasis Photodynamic Therapy (Autor: Mohammad Budiyanto, Sapti Puspitarini, & Fasih Bintang Ilhami)		2024
	5. Sensitivitas Deteksi Kadar Garam Pada Variasi Ekstrak Buah Menggunakan Refraktometer Dan Spektrometer UV-Vis		2023

	(Autor: Mohammad Budiyanto, Sifak Indana, & Budi Priyo Prawoto)	
	6. Pengembangan Instrumen Penilaian Kompetensi Literasi Sains Berbasis Kearifan Lokal Dalam Melacak Pemahaman Peserta Didik Terhadap Isu-Isu Kesehatan	2022
	7. Sensitivitas Uji Kandungan Kalium Dalam Tujuh Variasi Pisang Menggunakan Sensor Serat Optik	2021
Industry Collaborations over the last 5 years	1. <i>Lembaga Akreditasi Mandiri Pendidikan (LAMDIK)</i>	2022-2025
Patents and Property Rights	1. Attractive Strategi Microteaching. Implementasi Pembelajaran Diferensiasi Dan Proyek Pelajar Pancasila	2024
	2. Debate Based On Inquiry Learning (DBOIL): Integrasi Antara Model Pembelajaran Berbasis Inkuiri Dan Debat Untuk Meningkatkan Keterampilan Argumentasi Ilmiah Mahasiswa	2024
Important Publications over the last 5 years	1. Swietenia mahagoni Leaves Ethanolic Extract: In vitro anti-Oxidant Activity, Active Compound Identification and in silico Prediction as AKT-1 and MDM2 Protein Inhibitor	2025
	2. Crafting extract of Meniran-derived carbon decorated on zinc oxide as composite material for effective cancer treatment	2025
	3. In vitro investigation on Pennisetum purpureum leaf extracts grown in Indonesia of phytochemical components, optical characteristics, and antioxidant-antibacterial activities	2024
	4. The Characterization of Salt Level in Mango Fruit Through Principle of Refraction Index	2023
	5. Determination of Potassium Levels in Bananas Using an Optical Sensor with a Flat and Concave Mirror Plane	2021
Activities in specialist bodies over the last 5 years	Asesor LAM Pendidikan	2022-2025