

## STAFF HANDBOOK



<b>Name</b>	<b>Dr. First Ambar Wati, S.Si</b>		
<b>Position</b>	Lecturer on Organic Chemistry		
<b>Academic Career</b>	Bachelor Degree (Chemistry)	Institut Teknologi Sepuluh Nopember (ITS), Indonesia	2012 - 2016
	Doctoral Degree (Chemistry)	Institut Teknologi Sepuluh Nopember (ITS), Indonesia	2017-2021
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	
	Lecturer	Universitas Negeri Surabaya – Indonesia	
<b>Research and Development Project Over the Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pengembangan Senyawa-Senyawa Bioaktif Baru Turunan 6,12-Tetrahidro-5 <i>H</i> ,11 <i>H</i> -indolo[3,2- <i>b</i> ]karbazola	DRPM/Hibah Penelitian Program Magister menuju Doktor untuk Sarjana Unggul (PMDSU)	2018 - 2021
	Desain dan Sintesis Senyawa Sinamamida Baru sebagai Kandidat Obat Kanker Paru-paru (Ketua)	Penelitian Kompetitif (LPPM) Unesa	2023
	Eksplorasi Senyawa Baru Flavanon Dan Dihidroalkon Terpenilasi Dari Tumbuhan <i>Flemingia lineata</i> (L.) Aiton Endemik Kalimantan Sebagai Kandidat Obat Antimalaria Baru (Anggota)	DRPM/ Hibah penelitian fundamental	2023
	Potensi Senyawa Santon Terisoprenilasi Dari Tumbuhan Bintangor ( <i>Calophyllum pseudomole</i> ) dalam Menghinbisi Xanthine Oxidase (Anggota)	Penelitian Fakultas (FMIPA) Unesa	2023
	EKSPLOKASI SENYAWA BARU TURUNAN TERPENIL-FLAVANON DARI TUMBUHAN <i>Macaranga hullettii</i> King ex Hook.f ENDEMIK KALIMANTAN SEBAGAI KANDIDAT OBAT MALARIA BARU (Anggota)	Penelitian Kompetitif (LPPM) Unesa	2023

	Potensi Hipoglikemik Ekstrak Daun Sangket Terhadap Kadar Glukosa Darah Sebagai Agen Antidiabetes secara in Silico dan in Vitro (Anggota)	Penelitian Kompetitif (LPPM) Unesa	2023
<b>Community Service Over The Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Edukasi Pengolahan Susu Sapi Menjadi Keju Guna Peningkatan Gizi dan Diversifikasi Produk di Dusun Brau, Kecamatan Bumiaji, Kota Batu (Ketua)	Skema 2023 PKM FMIPA	2023
<b>Industry Collaborations Over the Last 5 Years</b>	<b>Title</b>	<b>Partner</b>	<b>Year</b>
<b>Patents and Property Right</b>	<b>Title</b>	<b>Patent ID</b>	<b>Year</b>
<b>Important Publications Over the Last 5 Years</b>	<ol style="list-style-type: none"> <li>1. Saputri, Ratih D.; Tukiran; Suyatno; <b>Wati, First A.</b>; Dzulkarnain, Shod A.; Zakiyah, Mufidatuz; Tjahjandarie, Tjitjik S.; Tanjung, Mulyadi. Xanthine Oxidase Inhibitory Activity of Xanthones from Calophyllum pseudomole P. F. Stevens. Tropical Journal of Natural Product Research (2024) 8 (1), 5932. <a href="https://doi.org/10.26538/tjnpr/v8i1.31">https://doi.org/10.26538/tjnpr/v8i1.31</a></li> <li>2. Sholeh S, Nurhayati APD, Santoso M and <b>Wati FA</b>. Effect of Trisindolina-5 Compound on Cancer Stem Cell (CSC) Proliferation in-Vitro. BIO Web Conf. (2024). 89, 01005. <a href="https://doi.org/10.1051/bioconf/20248901005">https://doi.org/10.1051/bioconf/20248901005</a></li> <li>3. AM Sururi, <b>FA Wati</b>, DK Maharani. A STUDI IN SILICO: POTENSI SENYAWA KATEKIN DAN TURUNANNYA DARI TEH HIJAU SEBAGAI INHIBITOR HGF SERTA PROFIL TOKSISITASNYA. Unesa Journal of Chemistry (2023) 12 (2), 57-63. <a href="https://doi.org/10.26740/ujc.v12n2.p57-63">https://doi.org/10.26740/ujc.v12n2.p57-63</a></li> <li>4. Ahmad Misbakhur Sururi, Dina Kartika Maharani, <b>First Ambar Wati</b>. POTENCY OF EUGENOL COMPOUNDS FROM CLOVE (Syzygium aromaticum) AS HIV-1 PROTEASE (PR) INHIBITORS. Unesa Journal of Chemistry (2023) 12 (1), 26-30. <a href="https://doi.org/10.26740/ujc.v12n1.p26-30">https://doi.org/10.26740/ujc.v12n1.p26-30</a></li> <li>5. Zulqurnain M, Aijijiyah NP, <b>Wati FA</b>, Fadlan A, Azminah A, Santoso M. Synthesis, Mycobacterium tuberculosis H37Rv inhibitory activity, and molecular docking study of pyrazinamide analogs. J Appl Pharm Sci (2024). 13(11), 170-177. <a href="http://doi.org/10.7324/JAPS.2023.140149">http://doi.org/10.7324/JAPS.2023.140149</a></li> <li>6. Aijijiyah, N.P., <b>Wati, F.A.</b>, Rahayu, R. et al. Synthesis, <math>\alpha</math>-glucosidase inhibitory activity, and molecular docking of cinnamamides. Med Chem Res (2023) 32, 723–735. <a href="https://doi.org/10.1007/s00044-023-03032-y">https://doi.org/10.1007/s00044-023-03032-y</a></li> <li>7. Santoso, M, Ong, L. L, Aijijiyah, N. P, <b>Wati, F.A</b>, Azminah, A., Annuur, R.M, Fadlan, A., Judeh, Z. M. A. Synthesis, <math>\alpha</math>-glucosidase inhibition, <math>\alpha</math>-amylase inhibition, and molecular docking studies of 3,3 di(indolyl)indolin-2-ones. Heliyon (2022). 8, e09045. DOI: 10.1016/j.heliyon.2022.e09045 <a href="https://www.sciencedirect.com/science/article/pii/S240584402200333">https://www.sciencedirect.com/science/article/pii/S240584402200333</a></li> </ol>		

	<p>8. <b>Wati, F.A.</b>, Santoso, M., Moussa, Z., Fatmawati, S., Fadlan, F., Judeh, Z. M. A. Chemistry of trisindolines: natural occurrence, synthesis and bioactivity. RSC Advances (2021). 11, 25381- 25421. DOI: 10.1039/D1RA03091D <a href="https://pubs.rsc.org/en/content/articlehtml/2021/ra/d1ra03091d">https://pubs.rsc.org/en/content/articlehtml/2021/ra/d1ra03091d</a></p> <p>9. <b>Wati, F.A.</b>, Adyarini, P.U., Fatmawati, S. et al. Synthesis of pyrazinamide analogues and their antitubercular bioactivity. Medicinal Chemistry Research (2020). 29, 2157–2163. DOI: 10.1007/s00044-020-02626-0 <a href="https://link.springer.com/article/10.1007/s00044-020-02626-0">https://link.springer.com/article/10.1007/s00044-020-02626-0</a></p>		
<b>Activities in Specialist Bodies Over the Last 5 Years</b>	<b>Organization</b>	<b>Position</b>	<b>Period</b>