

## STAFF HANDBOOK



<b>Name</b>	<b>Dr. Nuniek Herdyastuti, M.Si</b>		
<b>Position</b>	<b>Lecturer on Biochemistry</b>		
<b>Academic Career</b>	<b>Degree</b>	<b>University</b>	<b>Year</b>
	Bachelor Degree (Chemistry)	ITS, Indonesia	1994
	Master Degree (Biochemistry)	UGM, Indonesia	2001
	Doctoral Degree (Biochemistry)	UGM, Indonesia	2010
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	
	Associate Professor	Universitas Negeri Surabaya	
<b>Research and Development Project Over the Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pengaruh Pengolahan Terhadap Nilai Fungsional Bawang Putih dan Bawang Hitam Sebagai Penigkatan Imun di Masa Pandemi	PNBP	2021
	Nano teknologi ekstrak yeast-beras hitam sebagai sebagai anti diabetes melitus (Anti Dm Tipe – 2) menggunakan metode nano-enkapsulasi	Penelitian Dasar Unggulan Perguruan Tinggi	2020
	Potensi Antioksidan Pada Susu Kedelai Rempah Untuk Meningkatkan Sistem Imun sebagai Penangkal Covid 19	Penelitian Kebijakan FMIPA	2020
	Mini Laboratory of WWTP as a Prototype on Chemical Laboratory waste treatment as an Effort on Environmental Conservation	Penelitian Strategis Nasional Institusi & Penelitian Terapan Lanjutan	2018-2019
	Development of Hydroxyapatite Chitosan Collagen Biomaterial for Bone Tissue Restoration	Penelitian Berbasis Kompetensi	2018
	Development of bio-material chitosan hydroxyapatite collagen as bone graft for bone tissue restoration	Hibah Kompetitif berbasis kompetensi	2018
	Quality Testing of Drinking Water in Unesa Production Packaging	Penelitian Dana PNBP FMIPA Unesa	2018

	Development of Biomaterials (Chitosan Hydroxyapatite Collagen for Bone Tissue Restoration)	Penelitian Berbasis Kompetensi	2017
	Laboratory Management Information System (LMIS) Inventory of Biochemical and Organic Chemistry Laboratory Materials	BOPTN	2016
	Studying the Characteristics of N-Acetyl Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH54	Fundamental Lanjutan	2016
	Studying the Characteristics of N-Acetyl Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH54	Penelitian Fundamental (DIKTI)	2016
<b>Community Service Over The Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>
	Pelatihan Pembuatan Susu Kedelai Beras Merah sebagai Alternatif Wirausaha Baru bagi Ibu-ibu Dharma Wanita FMIPA Unesa	PNBP Unesa	2021
	Pendampingan Pemberdayaan Wirausaha UMKM Minuman Kesehatan Sari Kedelai Rempah	PNBP Unesa	2021
	Pembuatan sabun cuci tangan sebagai salah satu pertahanan terhadap bencana Covid-19 di Kabupaten Tuban	PNBP Unesa	2020
	Sosialisasi makanan sehat dan halal di Kabupaten Sumenep	BOPTN, dana kebijakan Fakultas	2019
	Pelatihan pembuatan yoghurt buah segar sebagai upaya peningkatan perekonomian masyarakat kabupaten Kediri	BOPTN, dana kebijakan Fakultas	2018
	IbM Pemanfaatan bawang merah di Kabupaten Nganjuk	DIKTI	2017
	Pelatihan pembuatan sambal ikan di Banyuwangi	BOPTN, dana kebijakan Fakultas	2016
	<b>Industry Collaborations Over the Last 5 Years</b>	<b>Title</b>	<b>Partner</b>
<b>Patents and Property Right</b>	<b>Title</b>	<b>Patent ID</b>	<b>Year</b>
	Kitinolitik, kitinase dan kitin		2019
	Limbah, Bahan berbahaya dan Pengolahannya		2019
	Biochemistry 1		2018
	Isoniazid encapsulation method uses chitosan calcium alginate with tween 80 emulsifier	IDP000048611	2017
Basic Chemistry 1	ISBN: 978-602-449-	2017	

		065-2		
	General Chemistry	083837	2016	
<p style="text-align: center;"><b>Important Publications Over the Last 5 Years</b></p>	<ol style="list-style-type: none"> <li><b>Herdyastuti, N.</b>, et.al. (2021). Pembuatan Sabun Cuci Tangan Sebagai Upaya Pemutusan Penyebaran Rantai Covid-19 di Kabupaten Tuban. <i>Jurnal ABDI: Media Pengabdian Kepada Masyarakat</i> 6 (2), 161-166.</li> <li>Wikandari, P.R., Yuanita, L., Cahyaningrum, S.E., and <b>Herdyastuti, N.</b> (2021). Pelatihan Pembuatan Sari Kedelai Rempah untuk Peningkatan Daya Tahan Tubuh dalam Menghadapi Pandemi Covid-19. <i>Jurnal ABDI: Media Pengabdian Kepada Masyarakat</i> 6 (2), 155-160</li> <li>Cahyaningrum, S.E., Ramadhan, M.I.F., <b>Herdyastuti, N.</b> (2020). Synthesis Hydroxyapatite/Collagen/Chitosan Composite as Bone Graft for Bone Fracture Repair. <i>International Joint Conference on Science and Engineering (IJCSE 2020)</i>, 337-341.</li> <li>Agustini, R., and <b>Herdyastuti, N.</b> (2020). The Study of Amylase's Reaction Kinetics From Soybean Sprouts (<i>Glycine max L.</i>) in Hydrolyzing Starch. <i>International Joint Conference on Science and Engineering (IJCSE 2020)</i>, 331-336.</li> <li><b>N Herdyastuti. (2020).</b> Pemahaman Masyarakat Desa Marengan Laok Sumenep Terkait Makanan Sehat Dan Halal. <i>Jurnal ABDI: Media Pengabdian Kepada Masyarakat</i> 6 (1), 24-30.</li> <li>Wikandari, P.R., Yuanita, L., <b>Herdyastuti, N.</b>, Juniariani, R.E., Cahyaningtyas, F.D. (2020). Antioxidant properties of single garlic (<i>Allium sativum</i>) pickle. <i>Digital Press Life Sciences</i> 2, 00006.</li> <li><b>Herdyastuti, N</b> et.al. (2020). Pemahaman Masyarakat Desa Marengan Laok Sumenep Terkait Makanan Sehat Dan Halal. <i>Jurnal Abdi. 6(1) : 24 – 30.</i></li> <li><b>Herdyastuti, N.</b>, Cahyaningrum, S.E., and Rusmini. (2019). Characteristic and Adsorption Capacity of Activated Carbon and Bentonite to Heavy Metal. <i>Eurasian Journal of Analytical Chemistry. Vol.14 No.3, pp. 48-54.</i></li> <li><b>Herdyastuti, N.</b> (2018). Pelatihan Pengelolaan Laboratorium Pendidikan Kimia bagi Guru-Guru MGMP Kimia Blitar (Chemical Education Laboratory Management Training for Blitar Chemistry MGMP Teachers). <i>Jurnal Abdi. Vol.4 No.1, pp: 45-50</i></li> <li>Cahyaningrum, S.E., <b>Herdyastuti, N.</b>, Supangat, D., Devina, B., and Kurniasari, M. (2018). Fabrication of Nanohydroxyapatite/Scrawl Collagen/Chitosan Composite for Bone Graft Candidate. <i>Rasayan Journal of Chemistry. Vol. 11 No. 2, pp: 488 – 493.</i></li> <li>Amelia I., and <b>Herdyastuti, N.</b> (2017). Kitin dari Cangkang Rajungan yang Diperoleh secara Enzimatik pada Tahap Deproteinasi (Chitin from Rajungan Shells Enzymatically Obtained in the Deproteinization Stage). <i>Unesa Journal Of Chemistry. Vol. 6 No. 2</i></li> <li>Insani, K.V., and <b>Herdyastuti, N.</b> (2016). Pengaruh Konsentrasi Enzim Optimum pada Pembentukan N-Asetilglukosamin (Effect of Optimum Enzyme Concentration on the Formation of N-Acetylglucosamine). <i>Unesa Journal Of Chemistry. Vol. 5 No. 3</i></li> <li><b>Herdyastuti, N.</b> and Cahyaningrum, S.E. (2016). Analysis of N-acetylglucosamine from Enzymatic Degradation of Amorphous Chitin. <i>Rasayan Journal of Chemistry. Vol. 10 No. 1, pp: 226-233</i></li> </ol>			
	<p style="text-align: center;"><b>Activities in Specialist Bodies Over the</b></p>	<b>Organization</b>	<b>Position</b>	<b>Period</b>
		Himpunan Kimia Indonesia (HKI)	Member	2010-now
		Perkumpulan Pendidik IPA	Member	2015-2023

<b>Last 5 Years</b>	Indonesia (PPII)		
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