



Dr. Nuniek Herdyastuti, M.Si

Position	Biochemistry Lecturer			
	Lecturer in Biochemistry			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry)	ITS, Indonesia	1994	
	Master Degree (Biochemistry)	UGM, Indonesia	2001	
	Doctoral Degree (Biochemistry)	UGM, Indonesia	2010	
Employment	Position	Employer	Period	
	Associate Professor	Universitas Negeri Surabaya		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Studying the Characteristics of N-Acetyl Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH54	2015	Fundamental	65
	Laboratory Management Information System (LMIS) Inventory of Biochemical and Organic Chemistry Laboratory Materials	2016	BOPTN	10
	Studying the Characteristics of N-Acetyl	2016	Fundamental	50

	Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH54		Lanjutan	
	Studying the Characteristics of N-Acetyl Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH54	2016	Penelitian Fundamental (DIKTI)	50
	Mini Laboratory of WWTP as a Prototype on Chemical Laboratory waste treatment as an Effort on Environmental Conservation	2017	Penelitian Produk Terapan	49,393
	Development of Biomaterials (Chitosan Hydroxyapatite Collagen for Bone Tissue Restoration	2017	Penelitian Berbasis Kompetensi	102,291
	Mini laboratory WWTP as a prototype in chemical laboratory waste treatment as an effort to preserve the environment	2017	Penelitian Produk Terapan	68
	Mini Laboratory of WWTP as a Prototype on Chemical Laboratory waste treatment as an Effort on Environmental Conservation	2018	Penelitian Strategis Nasional Institusi	70
	Development of Hydroxyapatite Chitosan Collagen Biomaterial for Bone Tissue Restoration	2018	Penelitian Berbasis Kompetensi	135
	Development of bio-material chitosan hydroxyapatite collagen as bone graft for bone tissue restoration	2018	Hibah Kompetitif berbasis kompetensi	135
	Development of Virtual-Learning Based Learning Devices on Hormone Material Biochemical Subject I	2018	Penelitian Dana PNBP FMIPA Unesa	10

	Quality Testing of Drinking Water in Unesa Production Packaging	2018	Penelitian Dana PNBP FMIPA Unesa	10
	Mini Laboratory of WWTP as a Prototype on Chemical Laboratory waste treatment as an Effort on Environmental Conservation	2019	Penelitian Terapan Lanjutan	187,975
	Nano teknologi ekstrak yeast-beras hitam sebagai sebagai anti diabetes melitus (Anti Dm Tipe - 2) menggunakan metode nano-enkapsulasi	2020	Penelitian Dasar Unggulan Perguruan Tinggi	183,630
	Potensi Antioksidan Pada Susu Kedelai Rempah Untuk Meningkatkan Sistem Imun Sebagai Penangkal Covid 19	2020	Penelitian Kebijakan FMIPA	12
Community Service Over The Last 5 Years (Pengabdian kepada Masyarakat)	Title	Year	Partner/Funder	Amount of Financing (million)
	Pelatihan pembuatan sambal ikan di Banyuwangi	2016	BOPTN, dana kebijakan Fakultas	5
	IbM Pemanfaatan bawang merah di Kabupaten Nganjuk	2017	DIKTI	50
	Pelatihan pembuatan yoghurt buah segar sebagai upaya peningkatan perekonomian masyarakat kabupaten Kediri	2018	BOPTN, dana kebijakan Fakultas	7,5
	Sosialisasi makanan sehat dan halal di Kabupaten Sumenep	2019	BOPTN, dana kebijakan Fakultas	7,5
	Pembuatan sabun cuci tangan sebagai salah satu pertahanan terhadap bencana Covid-19 di Kabupaten Tuban	2020	PNBP Unesa	40
Industry Collaborations				

Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	General Chemistry	083837	2016
	Basic Chemistry 1	ISBN: 978-602-449-065-2	2017
	Biochemistry 1		2018
	Isoniazid encapsulation method uses chitosan calcium alginate with tween 80 emulsifier	IDP000048611	2017
	Kitinolitik, kitinase dan kitin		2019
	Limbah, Bahan berbahaya dan Pengolahannya		2019
Important Publication Over The Last 5 Years	<p>Nuniek Herdyastuti. 2015. Modification of Chitin as Substrates for Chitinase. African Journal of Biotechnology. Vol. 4 No. 18, pp: 1590-159</p> <p>Nuniek Herdyastuti. 2016. Pengaruh Konsentrasi Enzim Optimum pada Pembentukan N-Asetilglukosamin (Effect of Optimum Enzyme Concentration on the Formation of N-Acetylglucosamine). Unesa Journal Of Chemistry. Vol. 5 No. 3</p> <p>Nuniek Herdyastuti. 2016. Analysis of N-acetylglucosamine from Enzymatic Degradation of Amorphous Chitin. Rasayan Journal of Chemistry. Vol. 10 No. 1, pp: 226-233</p> <p>Nuniek Herdyastuti. 2017. Kitin dari Cangkang Rajungan yang Diperoleh secara Enzimatik pada Tahap Deproteinasi (Chitin from Rajungan Shells Enzymatically Obtained in the Deproteinization Stage). Unesa Journal Of Chemistry. Vol.6 No.2</p> <p>Nuniek Herdyastuti. 2018. Pelatihan Pengelolaan Laboratorium Pendidikan Kimia bagi Guru-Guru MGMP Kimia Blitar (Chemical Education Laboratory Management Training for Blitar Chemistry MGMP Teachers). Jurnal Abdi. Vol.4 No.1, pp: 45-50</p> <p>Nuniek Herdyastuti. 2018. Fabrication of Nanohydroxyapatite/Scrawl Collagen/Chitosan Composite for Bone Graft Candidate. Rasayan Journal of Chemistry. Vol. 11 No. 2, pp: 488 – 493</p> <p>Nuniek Herdyastuti. 2019. Characteristic and Adsorption Capacity of Activated Carbon and Bentonite to Heavy Metal. Eurasian Journal of Analytical Chemistry. Vol.14 No.3, pp. 48-54</p>		

	Nuniek Herdyastuti, dkk. 2020. Pemahaman Masyarakat Desa Marengan Laok Sumenep Terkait Makanan Sehat Dan Halal. Jurnal Abdi. 6(1) : 24 – 30		
Activities in Special Institution	Organization	Position	Period
	Himpunan Kimia Indonesia (HKI)	Member	2010-now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2015-2023