



Prof. Dr. Sari Edi Cahyaningrum, M.Si

Position	Inorganic Chemistry Lecturer			
	Lecturer on Inorganic Chemistry			
Academic Career	Degree	University		Year
	Bachelor Degree (Chemistry)	ITS Surabaya – Indonesia		1989 - 1994
	Master Degree (Inorganic Chemistry)	UGM - Indonesia		1998 - 2001
	Doctoral Degree (Inorganic Chemistry)	UGM - Indonesia		2005 - 2009
Employment	Position	Employer		Period
	Professor	Universitas Negeri Surabaya – Indonesia		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Mini Laboratory of WWTP as a Prototype in Chemical Laboratory waste treatment as an Effort on Environmental Conservation	-	Penelitian Produk Terapan	49.393
	Analysis of heavy metal content in the soil around the chemistry department building, faculty of mathematic and natural science,	2016	BOPTN	10

	Universitas Negeri Surabaya			
	Studying the Characteristics of N-Acetyl Glucosamine Compounds in Chitin Hydrolysis Process Using Chitinase Enzyme from Pseudomonas sp TNH 54	2016	Penelitian Fundamental (DIKTI)	50
	Development of Biomaterials (Chitosan Hydroxyapatite Collagen for Bone Tissue Restoration	2017	Penelitian Berbasis Kompetensi	102,291
	Mini Laboratory of WWTP as 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
	Optimization of Chitosan-based biomaterial synthesis for bone tissue restoration	2019	DRPM	
	Metformin encapsulation with chitosan for diabetes drugs	2019	DRPM	
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	IbM kelompok tani bawang merah di Nganjuk	2016	DIPA Unesa	50 Jt
	Pelatihan kewirausahaan untuk peningkatan ekonomi warga Ds Sidokare, Rejoso, Nganjuk	2019	PNBP Unesa	35 Jt
Industry Collaborations Over The Last 5				

Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	Material dan proses enkapsulasi isoniazid menggunakan kitosan kalsium alginate dengan emulsifier tween 80	P00201500325	2015
	Inorganic Chemistry	83838	2016
	Basic Chemistry	83838	2016
	Chitosan Based Biomaterials	82602	2016
	Materials and Process of Pirazinamide Encapsulation Using Chitosan Calcium Alginate with Tween 80 Emulsifier	Status: Granted	2018
	Synthesis of Hydroxyapatite from Eggshells by Base Sedimentation Method	682018	2018
	Basics of Biomaterial Development		2018
Important Publication Over The Last 5 Years	Sari Edi Cahyaningrum. 2015. Chitosan-Calcium Alginate-Tween 80 Particles as Anti Tuberculosis Drug Carrier Synthesis, Characterization and Pharmacokinetics Study (). Contemporary Engineering Science. Vol 8 No 34 Sari Edi Cahyaningrum. 2015. Synthesis and Characterization of Chitosan- Alginate for Controlled Release of Isoniazid Drug. Indonesian Journal of Chemistry. Vol 15 No 1 Sari Edi Cahyaningrum. 2016. Capacity and Kinetic Adsorption Calcium Metal Ion on Chitosan Nano Beads. Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS). Sari Edi Cahyaningrum. 2016. Sintesis dan Karakterisasi Komposit Hidroksiapatit-Kolagen-Kitosan (HA/Coll/Chi) dengan Metode Ex-situ. Unesa Journal Of Chemistry. Vol 5 No 3 Sari Edi Cahyaningrum. 2017. Synthesis and Characterization Chitosanlutaraldehyde Alginate Blends For Candidate Hemodialysis Membran. Rasayan Journal of Chemistry (Jurnal Internasional terindeks Scopus). Vol. 10 No. 3 . pp 959- 966 Sari Edi Cahyaningrum. 2017. Synthesis and Characterization of Hydroxyapatit Powder by Wet Precipitation		

Activities in Special Institution	Method . IOP Conf. Series: Journal of Physics. Conf. Series 299 (2017) 0122039 Sari Edi Cahyaningrum. 2017. Sintesis dan Karakterisasi Komposit Hidroksiapatit-Kitosan-Kolagen sebagai Biomaterial Bone Graft (Synthesis and Characterization of Hydroxyapatite-Chitosan-Collagen Composites as a Bone Graft Biomaterial). Unesa Journal Of Chemistry. Vol 6 No 2 Sari Edi Cahyaningrum. 2018. Sintesis dan Karakterisasi Bone Graft dari Komposit Hidroksiapatit/Kolagen/Kitosan (HA/Coll/Chi) dengan Metode Ex-Situ sebagai Kandidat Implan Tulang (Synthesis and Characterization of Bone Graft from Hydroxyapatite / Collagen / Chitosan (HA / Coll / Chi) Composites with Ex-Situ Method as a Bone Implant Candidate). Unesa Journal Of Chemistry. Vol 7 No 1 Sari Edi Cahyaningrum. 2018. Fabrication of Nanohydroxyapatite/ Scrawl Collagen/Chitosan Composite for Bone Graft Candidate. Rasayan Journal of Chemistry. Vol 11, No 2, pp 488-493 Sari Edi Cahyaningrum. 2018. Synthesis of Hydroxyapatite from Crab Shell (Scylla serrata) Waste with Different Methods Added Phosphat. Advances in Engineering Research, Atlantis Press. Vol 171 Sari Edi Cahyaningrum. 2019. Use of Hydroxyapatite from Egg-shell as Raw Material for Synthesis Bone Graft. Oriental Journal of Chemistry. Vol. 35 No. 3 Sari Edi Cahyaningrum. 2020. The Encapsulation Of Metformine On Chitosan Matrix As Diabetes Mellitus Drug Slow Release System. Rasayan journal of chemistry, Vol.13, No.1		
	Organization Role	Position	Period
	Himpunan Kimia Indonesia (HKI)	Member	2010 - now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2015 - 2023