



Dr. Amaria, M.Si

Position	Inorganic Chemistry Lecturer			
	Lecturer in Inorganic Chemistry			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry Education)	Universitas Negeri Surabaya	1990	
	Master Degree (Inorganic Chemistry)	UGM - Indonesia	1998	
	Doctoral Degree (Inorganic Chemistry)	UGM - Indonesia	2018	
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)
	Recovery of Gold from Solution with Silica-Arginine Layered on Magnetite	2016	Disertasi Doktor (DIKTI)	45.6
	Encapsulation of Metformin with Chitosan Alginate Composites as an Anti-Bacterial Drug for Type 2 Diabetes Slow Release System	2019	Penelitian Dasar Unggulan PT (DRPM)	
	Synthesis of Functional Gold Nanoparticles of Amino Acids and Petroleum Applications As Colorimetric Sensors of	2019	PNBP	40

	Heavy Metal Ions			
	Immobilization of Soy Amylase (Glycine max) Enzyme with Entrapment Method To Support Excellent Products & Learning	2019	PNBP	
	Stability Study of Gold Nanoparticles Using Amino Acid Stabilizers	2019	Kebijakan MIPA Dana PNB	10
	Antimicrobial Food Packaging Berbahan Dasar Material Alam Lokal sebagai Upaya Pencegahan Penyebaran Covid-19	2020	Kebijakan MIPA Dana PNB	
	Sintesis Dan Karakterisasi Bone Graft Berbahan Dasar Lokal Indonesia Sebagai Kandidat Implan Tulang Untuk Mendukung Indonesia Mandiri di Bidang Kesehatan	2020	Program Penelitian Kompetitif LPPM	
	Pengembangan modul Matematika IPA Berbasis STEM di masa pandemi covid 19 untuk menunjang pembelajaran mandiri Mahasiswa	2020	Program Penelitian Kompetitif Kebijakan Fakultas FMIPA	
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	PKM Community Group in Kandangan Kediri through Training on Making Dish Soap	2018	Kebijakan FMIPA Dana PNB	
	Training on Healthy and Halal Food for Traditional Cake Managers in Sumenep Regency	2019	Kebijakan FMIPA Dana PNB	
	Training on Making Soybean Spices to Increase Body Resistance in Facing the Covid-19 Pandemic for Dharma Wanita FMIPA Unesa	2020	Kebijakan FMIPA Dana PNB	
Industry				

Collaborations Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	Adsorption Method for Gold/Au(III) Metal Cation from Liquid Waste with Saccharomyces cerevisiae Biomass and Its Desorption Method	IDP000042867	2017
	Inorganic Chemistry	082603	2016
	Basic Chemistry	Copyright Registration Number 083838	2016
	Buku Organisasi dan Manajemen Laboratorium Pendidikan Kimia (Chemistry Education Laboratory Organization and Management Book) ISBN: 978-979-028-349-7	Copyright Registration Number: 081931	2016
	Transition Group of Inorganic Chemistry	ISBN: 978-602-449-086-7	2017
Important Publication Over The Last 5 Years	<p>Dian Ayu Wulandari dan Amaria. 2015. Kapasitas Adsorpsi Silika Abu Sekam Padi Termodifikasi Arginin Untuk Adsorpsi Ion Logam Cr(VI) (Arginine Modified Rice Husk Ash Silica Adsorption Capacity For Cr (VI) Metal Ion Adsorption). Unesa Journal of Chemistry. Vol 4, No. 1</p> <p>B Sugiarto, S Poedjiastoeti, A Amaria, M Muchlis. 2016. Pengolahan Potensi Sulfur Alam Sebagai Komoditi Industri Siap Jual Guna Membuka Peluang Wirausaha Bagi Warga Kawasan Ijen Bondowoso SE Cahyaningrum, A Amaria. 2016. Kapasitas Dan Mekanisme Adsorpsi Ni (Ii) oleh Kitosan Sulfat. Jurnal Sains dan Terapan Kimia 8 (1), 10-19</p> <p>A Amaria, S Suyanta, N Nuryono. 2017. Coating of L-Arginine Modified Silica on Magnetite through Two Different Sol-Gel Routes. Indonesian Journal of Chemistry. Vol. 17, No.2, pp:256-263</p> <p>A Amaria, S Suyanta, N Nuryono. 2017. Preparation of L-Arginine-Modified Silica-Coated Magnetite Nanoparticles for Au(III) Ion Adsorption. Oriental Journal of Chemistry, Vol. 33, 384-395</p> <p>Farindya Dwi Cahyaningtyas, Zhilla Afifatul Ukrima, Nora Nora, Amaria Amaria, 2019. Pemanfaatan Ekstrak Biji Teratai Sebagai Bahan Aktif Antibakteri Untuk Pembuatan Hand Sanitizer. Indonesian Chemistry and</p>		

	<p>Application Journal, Vol 3, 7-13</p> <p>A Amaria, DK Maharani, MM Sianita, 2019. Study of Surface Plasmon Resonance of Gold Nanoparticles Stabilized by L-arginine, National Seminar on Chemistry 2019 (SNK-19), Atlantic Press.</p> <p>S. E. Cahyaningrum, N Herdyastuti, A Amaria, P Findia, 2019. The Effect of Concentration Calcium Alginate On Metformine Encapsulated, National Seminar on Chemistry 2019 (SNK-19), Atlantic Press</p> <p>Siti Tjahjani dan A Amaria, Faizatus Solihah. 2020. Upaya Peningkatan Kemurnian Bioetanol Pati Singkong Karet Dengan Adsorpsi. UNESA Journal of Chemistry, Vol 9, 1-8</p> <p>R Ekawati, M Madlazim, N Ducha, A Amaria, 2020. Expert Notion And Pre-Service Teachers Responses On Developed Potential Problem For Science, Technology, Engineering And Mathematics Module MISEIC</p>		
Activities in Special Institution	Organization	Position	Period
	Himpunan Kimia Indonesia Cabang Jawa Timur	Member	2009-now
	Himpunan Kimia Indonesia Pusat	Member	2009-now