

STAFF HANDBOOK



Name	Dr. Amaria, M.Si.		
Position	Lecturer on Inorganic Chemistry		
Academic Career	Bachelor Degree (Chemistry Education)	Universitas Negeri Surabaya, Indonesia	1990
	Master Degree (Inorganic Chemistry)	UGM, Indonesia	1998
	Doctoral Degree (Inorganic Chemistry)	UGM, Indonesia	2018
Employment	Position	Employer	
	Associate Professor	Universitas Negeri Surabaya	
Research and Development Project Over the Last 5 Years	Title	Funder	Year
	Metformin Encapsulation with Chitosan Alginate Composite as Anti Diabetes Type 2 Drug Slow Release System	DRPM	2021
	Antimicrobial Food Packaging Based on Local Natural Materials as an Effort to Prevent the Spread of Covid-19	Kebijakan MIPA Dana PNBP	2020
	Synthesis and Characterization of Indonesian Local Based Bone Grafts as Candidates for Bone Implants to Support Independent Indonesia in the Health Sector	Program Penelitian Kompetitif LPPM	2020
	Encapsulation of Metformin with Chitosan Alginate Composites as an Anti-Bacterial Drug for Type 2 Diabetes Slow Release System	Penelitian Dasar Unggulan PT (DRPM)	2019
	Synthesis of Functional Gold Nanoparticles of Amino Acids and Petroleum Applications As Colorimetric Sensors of Heavy Metal Ions	PNBP	2019
	Immobilization of Soy Amylase (Glycine max) Enzyme with Entrapment Method To Support	PNBP	2019

	Excellent Products & Learning		
	Stability Study of Gold Nanoparticles Using Amino Acid Stabilizers	Kebijakan MIPA Dana PNB	2019
	Recovery of Gold from Solution with Silica-Arginine Layered on Magnetite	Disertasi Doktor (DIKTI)	2016
Community Service Over The Last 5 Years	Title	Funder	Year
	Training on Making Red Rice Soybean Milk as an New Entrepreneurs Alternative for Dharma Wanita FMIPA Unesa	PNBP	2021
	Assistance for Entrepreneurial Empowerment of MSMEs Health Drinks Sari Soybean Spices	PNBP	2021
	Training on Making Soybean Spices to Increase Body Resistance in Facing the Covid-19 Pandemic for Dharma Wanita FMIPA Unesa	Kebijakan FMIPA Dana PNB	2020
	Training on Healthy and Halal Food for Traditional Cake Managers in Sumenep Regency	Kebijakan FMIPA Dana PNB	2019
	PKM Community Group in Kandangan Kediri through Training on Making Dish Soap	Kebijakan FMIPA Dana PNB	2018
Industry Collaborations Over the Last 5 Years	Title	Partner	Year
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Patents and Property Right	Title	Patent ID	Year
	Adsorption Method for Gold/Au(III) Metal Cation from Liquid Waste with <i>Saccharomyces cerevisiae</i> Biomass and Its Desorption Method	IDP000042867	2017
	Transition Group of Inorganic Chemistry	ISBN: 978-602-449-086-7	2017
	Inorganic Chemistry	Copyright Registration Number: 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	2016
Important Publications Over the Last 5 Years	<ol style="list-style-type: none"> 1. Maharani, D.K, Sanjaya, IGM, Amaria, Anggraeni, M.A., Jannah, L.R. (2021). Molecular Docking Analysis Chitosan-Zeolite-ZnO Nanocomposite and Its Potency Against SARS-CoV-2. <i>IOP Conference Series: Materials Science and Engineering</i> 1125 (1), 012006 2. Synthesis Hydroxyapatite/Collagen/Chitosan Composite as Bone Graft for Bone Fracture Repair 3. Tjahjani, S., Amaria, and Solihah, F. (2020). Upaya Peningkatan Kemurnian Bioetanol Pati Singkong Karet Dengan Adsorpsi. <i>UNESA</i> 		

Journal of Chemistry, Vol 9, 1-8.

4. **Amaria**, Suyanta, S., and Nuryono, N. (2017). Preparation of L-Arginine-Modified Silica-Coated Magnetite Nanoparticles for Au(III) Ion Adsorption. *Oriental Journal of Chemistry*, Vol. 33, 384-395
5. Cahyaningtyas, F.D., Ukrima, Z.A., Nora, N., **Amaria**. (2019). Pemanfaatan Ekstrak Biji Teratai Sebagai Bahan Aktif Antibakteri Untuk Pembuatan Hand Sanitizer. *Indonesian Chemistry and Application Journal, Vol 3, 7-13*
6. **Amaria**, Maharani, DK, and Sianita, M.M. (2019). Study of Surface Plasmon Resonance of Gold Nanoparticles Stabilized by L-arginine, National Seminar on Chemistry 2019 (SNK-19), Atlantic Press.
7. Cahyaningrum, S.E., Herdyastuti, N., **Amaria**, and Findia, P. (2019). The Effect of Concentration Calcium Alginate On Metformine Encapsulated. *National Seminar on Chemistry 2019 (SNK-19), Atlantic Press 11-13.*
8. **Amaria**, Suyanta, S., and Nuryono, N. (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*
9. **Amaria**, Suyanta, S., and Nuryono, N. (2017). Preparation of L-arginine-Modified Silica-coated Magnetite Nanoparticles for Au (III) Adsorption. *Orient. J. Chem 33, 384-395.*

Activities in Specialist Bodies Over the Last 5 Years	Organization	Position	Period
	Himpunan Kimia Indonesia – East Java	Member	2009-now
	Himpunan Kimia Indonesia	Member	2009-now