



Dr. Amaria, M.Si

| Position | Inorganic Chemistry Lecturer | | | |
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| | 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 |

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| | 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 | | | |
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| 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</p> <p>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> | | |

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| | <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 |