

STAFF HANDBOOK

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Expertise	<i>Physical Chemistry</i>		
Position	<i>Associate Professor</i>		
H-index	<i>Scopus: 5, Google Scholar: 12</i>		
Academic Background	<i>Bachelor</i>	<i>Universitas Gadjah Mada</i>	<i>1994</i>
	<i>Master</i>	<i>Universitas Gadjah Mada</i>	<i>1998</i>
	<i>Doctor</i>	<i>Universitas Gadjah Mada</i>	<i>2016</i>
Employment	● <i>Secretary of the UPT Integrated Laboratory Quality Assurance Unit 2020</i> ● <i>Vice Chairman of the Quality Assurance (GKM) 2021</i> ● <i>Deputy for Academic Affairs UPT Integrated Laboratory 2019</i> ● <i>Coordinator of Integrated Laboratory UPT Academic Affairs 2022</i>		
Research and projects over the last 5 years	Year	Title	Fund
	<i>2019</i>	<i>Silver-Alginate Nanocomposites Synthesis As Antibacterial</i>	<i>PNBP (University)</i>
	<i>2019</i>	<i>Increasing The Capacity Of Scientific Publications Through The Development Of Biopolymers As Functional Materials</i>	<i>PNBP (University)</i>
	<i>2019</i>	<i>Silver-Chitosan Nanocomposites Film Synthesis from Shrimp Cross- Bound of Tripolyphosphate (Ag/Kit/TPP) as Antibacterial Material and Glucosuria Detector</i>	<i>Dikti</i>
Patents and proprietary rights	Year	Title	
	<i>2021</i>	<i>Web-Based E-Module With Problem Solving Learning Model To Improve Computational Thinking Skills on Electrolyte and Non- Electrolyte Solution Materials (In Indonesian Language)</i>	
Publications over the last 5 years	Year	Tittle	Publication
	<i>2021</i>	<i>Fabrication of silver-chitosan nanocomposite films and their antibacterial activity</i>	<i>IOP Conference Series: Materials Science and Engineering</i>
	<i>2020</i>	<i>Adsorption of Methylene Blue Dyes Using Pectin Membrane</i>	<i>IOP Conference Series: Materials Science and Engineering</i>

2020	<i>Preparation of Nanocomposite Silver-Chitosan-Alginate Film as Antibacterial Material</i>	<i>Journal of Physics: Conference Series</i>
2020	<i>Validation of TTMC instrument of pre-service chemistry teacher's TPACK using Rasch model application</i>	<i>Journal of Physics: Conference Series</i>
2020	<i>Efektivitas Model Pembelajaran Snowball Throwing dan Snowball Drilling terhadap Prestasi Belajar Ditinjau dari Keaktifan Belajar Siswa pada Materi Pokok Hidrolisis Garam</i>	<i>Jurnal Pendidikan Kimia</i>
2021	<i>Potential edible coating of pectin obtained from banana peel for fruit preservation</i>	<i>Journal of Physics: Conference Series</i>
2021	<i>Preparation of Poliblend Suweg Starch-Chitosan with Addition of Essential Oil from Sweet Orange Peel as Edible Coating on Malang's Apples</i>	<i>Journal of Physics: Conference Series</i>
2021	<i>Strengthening Buffer Solution Learning Activities with Numbered Heads Together Models Equipped with a Combined Hand Out–Augmented Reality</i>	<i>Journal of Physics: Conference Series</i>
2021	<i>Synthesis of Silver-Alginate Nanocomposites Colloidal Assisted by Microwave Irradiation as Antibacterial Material</i>	<i>Journal of Physics: Conference Series</i>
2021	<i>Pengaruh Penerapan Model Numbered Heads Together (NHT) dilengkapi Handout Kombinasi Augmented Reality (Handout-AR) dan Microsoft Powerpoint terhadap Aktivitas Belajar Siswa</i>	<i>Jurnal Pendidikan Kimia</i>
2021	<i>Examining the Content Validity of Android-Based Augmented Reality Media for Chemical Bonding using Rasch Model</i>	<i>Jurnal Penelitian Pendidikan IPA</i>
2022	<i>The Effect of Silver Nanoparticle Toward Properties and Antibacterial Activity of Silver-Alginate Nanocomposites</i>	<i>Frontiers in Sustainable Food Systems</i>
2022	<i>Pendampingan Produksi Mie Sayuran Kekinian sebagai Upaya Meningkatkan Penghasilan UMKM Makanan di Karanganyar Jawa Tengah</i>	<i>Jurnal Abdi Masyarakat Indonesia</i>
2022	<i>Content Validity in Android-Based Augmented Reality Media for High School Science Students on Covalent Bonds Topic: Rasch Model Analysis</i>	<i>Jurnal Pendidikan Sains Indonesia</i>
2022	<i>The Sinergy Effect of Essential Oils from Traditional Herbs and Medicines as Antibacterial Materials of Edible Coating on Fresh Fruit</i>	<i>Moroccan Journal of Chemistry</i>