Staff Handbook



Name	*Made Ganesh Darmayanti, S.Pd., M.Si.*		
Post	*Polymer Chemistry and Physical Chemistry, Assistant Professor*		
Academic career	*Initial academic appointment*	*University of Mataram*	*2014*
	Doctorate (Chemistry)	*Monash University, Australia*	*2026*
	Master (Chemistry)	*Institut Teknologi Bandung*	*2013*
	Undergraduate (Chemistry Education)	*University of Mataram*	*2010*
Employment	*Lecturer*	*University of Mataram*	*2014-present*
Research and development projects over the last 5 years	1. *RAFT-Derived κ-Carrageenan-Based Polymers and Ionic Covalent Organic Polymers for CO_2 Adsorption (2022-2026, PhD research project, funded through the Australia Awards Scholarship, sponsored by the Department of Foreign Affairs (DFAT) Australia).* 2. *1 of only Young Scientists as the Australian Delegate in the 74th Lindau Nobel Laureate Meeting 2025, Germany (2025, sponsored by the Lindau Council dan the Australian Academy of Science, 10,000 AUD).* 3. *Study of p-n Junction on Organic Rectifier Diodes (ORD) Based on p-Polyaniline-Graphene/n-Si (2021, funded by University of Mataram, IDR 11,000,000).* 4. *Transforming Jurit Baru Village's Herbal Plants into an Instant Immunostimulant Drink (2021, funded by University of Mataram, IDR 5,000,000).*		
Industry collaborations over the last 5 years			
Patents and proprietary rights			

<table>
<tr><td>Important publications over the last 5 years</td><td>Selected recent publications from a total of approx. 10 publications:

1. Darmayanti, M. G.; Tuck, K. L.; Thang, S. H. κ-Carrageenan-grafting-copolymers by RAFT Polymerization Exhibiting CO_2 Adsorption Properties. Carbohydr. Polym. Technol. Appl. 2025, 11, 100995.
2. Darmayanti, M. G.; Tuck, K. L.; Thang, S. H. Carbon Dioxide Capture by Emerging Innovative Polymers: Status and Perspectives. Adv. Mater. 2024, 36(30), 2403324.
3. Rahmah, N. L.; Ismillayli, N.; Darmayanti, M. G.; Hermanto, D. Synthesis Activated Carbon/Chitosan/Pectin Composite as Methylene Blue Adsorbent. AIP Conference Proceedings 2023, 2720, 040005.
4. Hadisaputra, S.; Ramadan, U.; Darmayanti, M. G. Density Functional Study of Heteroatoms Effect on Corrosion Inhibition Efficiency of Metheneamine and its Derivatives. AIP Conference Proceedings 2023, 2619, 040006.</td></tr>
<tr><td>Activities in specialist bodies over the last 5 years</td><td>
<table>
<tr><td>Organisation</td><td>Role</td><td>Period</td></tr>
<tr><td>World Class University Taskforce Team, University of Mataram</td><td>Secretary</td><td>February-December 2026</td></tr>
<tr><td>International Conference of Indonesian Chemical Society (ICICS)</td><td>Secretary</td><td>2021</td></tr>
<tr><td>Acta Chimica Asiana Journal</td><td>Reviewer</td><td>2017-present</td></tr>
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