Staff Handbook



Name	*Dr. Dina Asnawati, S.Pd., M.Si.*		
Post	*Physical Chemistry, Assistant Professor*		
Academic career	*Initial academic appointment*	*University of Mataram*	*2008*
	Doctorate (Chemistry)	*Gadjah Mada University*	*2026*
	Master (Chemistry)	*Gadjah Mada University*	*2007*
	Undergraduate (Chemistry Education)	*University of Mataram*	*2004*
Employment	*Lecturer*	*University of Mataram*	*2008-present*
Research and development projects over the last 5 years	1. *Catalyst of Co, Mo, And W Impregnated on H-ZSM-5 and H-Mordenite and Their Modifications For Conversion of Refined Palm Oil (RPO) Into Bioavtur, 2022–2026, doctoral research project, funded by BPDPKS (Badan Pengelola Dana Perkebunan Kelapa Sawit).* 2. *Transforming Jurit Baru Village's Herbal Plants into an Instant Immunostimulant Drink (2021, funded by University of Mataram, IDR 5,000,000).* 3. *Preparation of CaO/SiO_2 Material as a Stationary Phase in Thin-Layer Chromatography (TLC), (2020, funded by University of Mataram, IDR 10,000,000).*		
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	1. *D. Asnawati, A.J. Saviola, K. Wijaya, I. Kartini, S. Purwono, R. Rodiansono, A. Mara, W.-C. Oh, A. Kristiani, S. Sudiyarmanto, W. Trisunaryanti, Toward Efficient Bio-jet Fuel Production via Atmospheric Hydrotreating: Insight into*		

	the Effect of Co/HZSM-5, Mo/HZSM-5, and CoMo/HZSM-5 Catalyst Arrangements, Arab. J. Sci. Eng., 50 (2025), 21123-21144, 10.1007/s13369-025-10510-5 2. *Hadi, S., Rifandi, T., Abdillah, B., Al Qaromi, M., Mahendra, L. R., Hidayat, L. M. R. R., Asnawati, D., & Murniati. (2023). Characteristics, stability, and utilization of sulfuric natural water from Sebau East Lombok in reducing dissolved metals. Journal of Degraded and Mining Lands Management, 10(3), 4559–4566. https://doi.org/10.15243/jdmlm.2023.103.4559* 3. *Gunawan, E. R., Suhendra, D., Arimanda, P., Asnawati, D., & Murniati. (2023). Epoxidation of Terminalia catappa L. Seed oil: Optimization reaction. South African Journal of Chemical Engineering, 43, 128–134. https://doi.org/10.1016/j.sajce.2022.10.011* 4. *Murniati, M., Gunawan, E. R., Suhendra, D., Asnawati, D., & Qurba, P. (2022). Sintesis Senyawa-Senyawa Epoksi dari Asam Lemak Minyak Nyamplung (Calophyllum inophyllum L.). Jurnal Riset Kimia, 13(1), 89–99. https://doi.org/10.25077/jrk.v13i1.447* 5. *Sudirman, Irfan, M., Darmayanti, M. G., Asnawati, D., Ismillayli, N., Yuanita, E., Dharmayani, N. K. T., & Ulfa, M. (2022). The effect of doping type on the performance of secondary batteries based on PANI/Zn. AIP Conference Proceedings, 2638(1), 020012. https://doi.org/10.1063/5.0104667* 6. *Sudirman, Munadi, M. Z., Dharmayani, N. K. T., Yuanita, E., Asnawati, D., Darmayanti, M. G., & Ulfa, M. (2022). Stationary phase performance based on calcium oxide/silica gel on thin-layer chromatography for xanthone derivative compounds. AIP Conference Proceedings, 2638(1), 020014. https://doi.org/10.1063/5.0104668* 7. *Savalas, L. R. T., Lestari, A. C., Munirah, M., Farida, S., Suhendra, D., Asnawati, D., 'Ardhuha, J., Ningsih, B. N. S., & Syahri, J. (2021). cis-2 and trans-2-eicosenoic Fatty Acids Inhibit Mycobacterium tuberculosis Virulence Factor Protein Tyrosine Phosphatase B. Journal of the Turkish Chemical Society Section A: Chemistry, 8(3), 873–882. https://doi.org/10.18596/jotcsa.896489*
Activities in specialist bodies over the last 5 years	*Organisation Role Period* *Membership without a specific role need not be mentioned*