Staff Handbook



Name	*Sri Seno Handayani, ST.,MT*		
Post	*Chemical Engineering*		
Academic career	*Initial academic appointment* *Master degree (Chemistry)* *Undergraduate degree (Chemistry)*	*University of Lampung* *Bandung Institute of Technology.* *University of Sriwijaya*	*2000* *2000* *1991*
Employment	*Lecturer*	*University of Mataram*	*2006-Present*
Research and development projects over the last 5 years	1. *Stability of Ribbonfish and Halfbeak Fish Oil under Various Antioxidant Additions (2022, Funded by University of Mataram, IDR 16.000.000)* 2. *Extraction and Analysis of fatty acid from Moringa Seed Oil Using Soxhletation and Screw Pressing (2023, Funded by University of Mataram, IDR 17.000.000)* 3. *Fatty Acid Profile of Moringa Seed Oil for Antioxidant in Anti-Aging Cream (2024, Funded by University of Mataram, IDR 21.000.000)* 4. *Oxidative Stability of Moringa Seed Oil with the Addition of Kaffir Lime Peel Extract as a Cosmetic Ingredient (2025, Funded by University of Mataram, IDR 13.000.000)* 5. *Evaluation of Physicochemical Properties and Lubrication Characteristics of a Waste Cooking Oil-Moringa Oil Blended System as a Bio-Lubricant (2026, Funded by University of Mataram, IDR 22.000.000)*		
Industry collaborations over the last 5 years	*Project title* *Partners*		
Patents and proprietary rights			

Important publications over the last 5 years	*Selected recent publications from a total of approx (13).* 1. *Optimization of the epoxidation reaction of Calophyllum inophyllum oil-based epoxy, (2026), D. Suhendra, E.R. Gunawan, Murniati, S.S. Handayani, NKS. Iswari, Sudirman, Molekul, Vol. 21. No. 1, March 2026: 41 – 48 https://doi.org/10.20884/1.jm.2026.21.1.12176* 2. *The Effect of Polymerization Temperature on Polyurethane Synthesis using Calophyllum inophyllum Oil-Based Polyol, (2025) D. Suhendra; P.M. Sholiha, E.R. Gunawan, S.S. Handayani, AIP Conf. Proc. 3248, 020014 (2025)https://doi.org/10.1063/5.0236737* 3. *Alkyldiethanolamide Surfactant Based on Ketapang Seed Oil in Herbicide Formulation, (2024) E.R. Gunawan, N. Khairunnisa, D. Suhendra, Murniati, S.S. Handayani, Malaysian Journal of Chemistry, 2024, Vol. 26(3), 19-28, DOI: 10.55373/mjchem.v26i3.19* 4. *Synthesis of Moringa Seed Oil-Based Methyl Ester Sulfonate (Moringa oleifera L.) at Various Sulfonation Times and Temperatures, (2023) Handayani, S. S., Suhendra, D., Gunawan, E. R., & Ramdani, N. JST (Jurnal Sains dan Teknologi), 12(2), 466-473.* 5. *The effect of adding vitamin E on the characteristics of polyunsaturated fatty acids from julung-julung fish oil (Hemirhamphus sp.) (2023) Gunawan, E. R., Handayani, S. S., Suhendra, D., Murniati, Hermanto, D., Sari, P. D. P., & Trisnaningtyas, S. A. AIP Conference Proceedings (Vol. 2956, No. 1, p. 040011).* 6. *Effect of Alginate-Chitosan edible film coating on vitamin c loss of fresh cut sliced pineapple (Ananas comosus (L.) merr) (2023) Ismillayli, N., Julianti, H., Handayani, S. S., & Hermanto, D. AIP Conference Proceedings. (Vol. 2720, No. 1, p. 040023).* 7. *Effect of Edible Coating Based on Chitosan as Polyelectrolyte Complex Film on Vitamin C Loss at Pineapple Fruit During Storage (2023) Hermanto, D., Ismillayli, N., Gunawan, E. R., Julianti, H., Handayani, S. S., Suhendra, D., & Hasim, V. L. In Proceedings of the 1st Nusa Tenggara International Conference on Chemistry (NiTRIC 2022) (Vol. 4, p. 107). Springer Nature.* 8. *Utilization Of Moringa Seed Oil Fatty Acids for Azelaic Acid Base Stock Production, (2022) Handayani, S. S., Gunawan, E. R., Suhendra, D., Murniati, M., Hermanto, D., & Karnila, L. Jurnal Penelitian Pendidikan IPA, 8(5), 2319-2323.*
Activities in specialist bodies over the last 5 years	*Organisation* *Role* *Period* *Membership without a specific role need not be mentioned*