

EVI SETIANI LANDE

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A multidisciplinary scientist with expertise in protein science and chemistry, dedicated to advancing biomolecular research through innovative approaches. Currently completing a Ph.D. project within biochemistry and biophysical characterization of enzymes using cutting-edge methodologies.

Education

Ph.D. in Protein Science

Department of Molecular Biology and Genetics, Aarhus University, Denmark, 2023 – 2026 (expected).

- Research project in Kinetic Characterization of Phosphatase Using Synthetic Disordered Substrates and Biomolecular Condensates.
- Courses taken include Molecular Analysis in Disease Gene, Characterization of Intrinsically Disordered Proteins, and Fluorescence microscopy.

M.Sc. in Sustainable Catalysis

Erasmus Mundus Joint Masters Degree: Department of Chemistry, Universidade de Aveiro, Portugal and Université de Poitiers, France, 2021 – 2023.

- Research project in Laccase Immobilization on Magnetic Nanoparticles Modified with Hybrid Biopolymer.
- Courses taken include Biocatalysis, Heterogeneous Catalysis, Macromolecular Chemistry, Analytical Instruments, Green Chemistry, and Life Cycle Analysis.

B.Pharm (Bachelor of Pharmacy)

Faculty of Pharmacy, Universitas Gadjah Mada, Indonesia, 2014 – 2019.

- Research project in Synthesis of Paracetamol in Organic Solvent Catalyzed by Lipase.
- Courses taken include Medicinal Chemistry, Biotechnology, Molecular Biology, Pharmaceutical Product Formulation, and Good Manufacturing Practice in Pharmaceutical Industry.

Work Experience

Teaching Assistant

Department of Molecular Biology and Genetics, Aarhus University, Denmark, 2024 – present.

- Supervised undergraduate students in laboratory courses, including protein biochemistry and molecular biology.
- Introduced interactive learning activities to enhance theoretical understanding of experiments.

Research Assistant

Nanoval, Department of Organic Chemistry, Universidad d Cordoba, Spain, 2022.

- Evaluated the performance of various metal-based nanocatalysts for lignocellulosic biomass conversion via microwave-assisted reactions.
- Analyzed products using gas chromatography and mass spectrometry.

Responsible Pharmacist

Etsa Kemilau Cosmetic, Indonesia, 2020 – 2021.

- Established SOPs in quality assurance, including staff training, documentation and product release.
- Led cosmetic formulation and quality control, including water analysis and product stability testing.

Intern Pharmacist

Bayer Pharmaceuticals, Indonesia, 2019.

- Assisted in quality system department through employee training, document circulation, and audit management.

Publication

Research article

- Ismail, H., Lande, E. S. *, Indriyawati, D. T., & Sudarmanto, B. S. A. Employing lipase of candida antarctica (calb) as catalyst in the acetylation of para-aminophenol in aqueous and water-free medium. *Jurnal Teknosains*, 11(1), 66. 2021. <https://doi.org/10.22146/teknosains.69113>.

Poster presentation

- **Distance and Affinity Dependence Kinetics of Protein Phosphatase-1**
Presented at the *EMBO Workshop: Phosphatases 2025*, Würzburg, Germany.
- **Intrinsically Disordered Peptide Linkers for Kinetics Characterization of Protein Phosphatase-1**
Presented at the *Interdisciplinary Teaching in Natural Science (ITEASc) Workshop 2024*, Middelfart, Denmark
- **Laccase Immobilization on Magnetic Nanoparticles Modified with Hybrid Biopolymers**
Presented at the *Renewable Bioresources & Refineries (RRB) Conference 2023*, Riga, Latvia.

Qualification

Technical Skills

- Analytical Instruments
Hands-on experience with UV-Vis spectrophotometer, HPLC, FPLC, GC-FID, LC-MS, FTIR spectroscopy, electron microscopy, fluorescence microscopy, fluorescence polarization, and Seahorse XF Analyzer for compound/protein purification, identification, interactions and structural analysis.
- Structural & Visualization Software
Proficient in AphaFold 3.0, Pymol, ChemDraw, ImageJ for protein structure modeling, chemical structure analysis, and microscopic image processing.
- Data Analysis & Plotting Software
Origin and GraphPad Prism for scientific data visualization and statistical analysis.
- Sustainability Tools
Competent in conducting Life Cycle Assessment (LCA) using openLCA.

Certification

Indonesian Pharmacist Competency License, 2019

Languages

- Indonesian – Native
- English – Proficient (IELTS Academic C1 level)
- French – Basic (A1 level)

Achievement

- Awarded a fully funded Ph.D. fellowship in Protein Science at Aarhus University, 2023 – 2026.
- Received a fully funded Erasmus Mundus Joint Master Degree in Sustainable Catalysis (EMJMD-SuCat) scholarship, 2021 – 2023.

Volunteering Experience

- Indonesian Student Association in Portugal (PPI)
Aveiro, Portugal, 2022 – 2023.
Supported networking and cultural exchange among Indonesian students studying in Portugal.
- Medical Student Network in Indonesia (JMKI)
Yogyakarta, Indonesia, 2018 – 2019.
Promoted public health and organized community outreach programs in rural villages.