

DWI MARINA GUMAYKU, S.Si

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PROFILE

Fresh graduate in Chemistry from Sriwijaya University with a GPA of 3.84/4.00 and hands-on experience in laboratory analysis, instrumental techniques, and scientific research. Experienced in laboratory practices, analytical procedures, sample analysis, and scientific data interpretation, with exposure to various analytical instruments including UV-Vis Spectrophotometer, AAS, XRD, XRF, FTIR, and GC-MS. Familiar with laboratory quality standards, including ISO/IEC 17025 and SNI-based analytical methods. A detail-oriented, adaptable, and fast-learning individual with strong teamwork and communication skills. Passionate about pursuing a career in Quality Control, Laboratory Analysis, and Research & Development within the chemical, environmental, pharmaceutical, food, or manufacturing industries.

EDUCATION

Sriwijaya University – Palembang, Indonesia Aug 2022 – Aug 2026
Bachelor of Science (Chemistry), GPA: 3.84/4.00

- **Research:** Effect Of Reaction Temperature And Fe/C Catalyst Loading Based On Coconut Shell On The Hydrocracking Of Waste Lubricating Oil — Grade A
- **Relevant coursework:** Principle of Chemical Analysis, Electrometry, Separation Techniques, Spectrometry, Standardization, Industrial Materials Analysis.

WORK EXPERIENCE

Lab. Lingkungan DLHP Provinsi Sumatera Selatan – Palembang, Indonesia Jun – Jul 2025
(Internship)

- Studied and applied Indonesian National Standards (SNI) for environmental laboratory testing, particularly water quality analysis.
- Performed BOD (Biochemical Oxygen Demand) testing according to SNI 6989.72:2009
Conducted ammonia analysis using the phenate method with a UV-Vis spectrophotometer according to SNI 06-6989.30:2005.
- Performed color analysis using spectrophotometric methods according to SNI 6989.80:2011.
- Assisted in dissolved and total metal analysis using Atomic Absorption Spectrophotometry (AAS) according to SNI 6989-84:2019.
- Conducted copper (Cu) analysis using graphite furnace AAS according to SNI 6989.66:2009.
- Studied and applied standardized methods for the identification and enumeration of benthic organisms and plankton in water samples.
- Gained practical understanding of ISO/IEC 17025 requirements and their application in laboratory quality management.

Laboratory Assistant – *Separation Techniques, Electrometry & Spectrometry* Feb 2025 – Dec 2025

- **Guided and mentored** 100+ undergraduate students in laboratory practical sessions, covering experimental procedures, instrument operation, data collection, and laboratory safety.
- **Prepared and maintained** laboratory instruments, equipment, chemicals, and practical materials to ensure readiness for laboratory sessions.
- **Guided students** in analytical techniques using **UV-Vis Spectrophotometry, AAS, XRF, XRD, and FTIR**, including instrument operation and experimental procedures.
- **Evaluated** laboratory reports, quizzes, practical examinations, and student performance, ensuring accurate and consistent assessment according to established criteria.

ORGANIZATIONAL EXPERIENCE

HIMAKI – Department of Chemistry, Sriwijaya University 2022 – 2024
Secretary – Creative Economy Department

- Assisted the department head in planning and implementing creative economy programs.

- Managed departmental administration and documentation.
- Prepared proposals, activity reports, and meeting minutes.

Member – Creative Economy Department

- Designed and implemented entrepreneurship programs and creative economy initiatives within HIMAKI.
- Managed product production and sales activities as a source of organizational funding.
- Contributed to marketing strategy development and promotional activities for organizational programs.

U-READ – Unsri Research and Education

2022 – 2023

Member – Creation and Innovation Department

- Developed creative ideas and concepts to support the organization's research and educational programs.
- Contributed to the development of innovative educational materials and scientific content.

TRAINING

• Sistem Manajemen Keselamatan dan Kesehatan Kerja Berbasis SNI ISO 45001:2018 – Badan Standardisasi Nasional	2026
• Good Manufacturing Practices (GMP) – Badan Standardisasi Nasional	2026
• Instrument Training XRD, PSA, UV-Vis, GC-MS – Department of Chemistry, UNSRI	2025
• SNI IEC 9001: 2015 – Badan Standardisasi Nasional	2025
• Pengantar Standardisasi – Badan Standardisasi Nasional	2025
• Pengantar Penilaian Kesesuaian – Badan Standardisasi Nasional	2025
• Pengantar Metrologi – Badan Standardisasi Nasional	2025
• SNI IEC 17025:2017 – Badan Standardisasi Nasiona	2024

ACHIEVEMENT AND SKILLS

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- **Achievement:**
 - **Graduated with Honors (Cum Laude)** – 185th Graduation Period, Universitas Sriwijaya, 2026
 - **Student Entrepreneurship Program (PMW) Funding Recipient** – Universitas Sriwijaya, 2024
 - Project Title: Brightening Deodorant Spray from Rose Extract (*Rosa centifolia*) for Body Odor Control and Underarm Skin Irritation Reduction
 - **U-GO Scholarship Recipient** – INOTEK, 2022-2026
 - **Bahasa** : Indonesian (native) and English (intermediate)
 - **Software**: Ms. Office (Excel, Word, dan PowerPoint), ChemDraw, Origin Lab, Canva.
 - **Soft Skills**: Teamwork, Communication, Time management, Attention of detail, Problem solving, Adaptability and *Fast learner*.