

SUKMAH, S.Si

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PROFILE

Fresh graduate in Chemistry from Sriwijaya University with hands-on experience in physicochemical testing, instrumental analysis, analytical method implementation, laboratory quality systems, and scientific data interpretation. Experienced in operating chromatographic and spectroscopic instruments including GC-MS, UV-Visible Spectrophotometer, HPLC, AAS, XRD, XRF, and Particle Size Analyzer (PSA). Skilled in sample preparation, analytical method execution, laboratory documentation, and data validation in accordance with Good Laboratory Practices (GLP) and Standard Operating Procedures (SOPs). Passionate about pursuing a career in Quality Control, Laboratory Analysis, and Research & Development within the chemical, oleochemical, pharmaceutical, food, or manufacturing industries.

EDUCATION

Sriwijaya University – Palembang, Indonesia Aug 2022 – Apr 2026
Bachelor of Science (Chemistry), GPA: 3.83/4.00

- **Research:** Antioxidant and Antibacterial Activities and Identification of Column Chromatography Fraction from Methanol Extracts of Temu Ireng Rhizome (*Curcuma aeruginosa* Roxb.) — Grade A
- **Relevant coursework:** Standardization, Organic Chemistry, Physical Chemistry, Organometallic Chemistry.

Lampung University Aug 2024 – Dec 2024
Student exchange (PKKM) – Chemistry, GPA: 3.90/4.00

WORK EXPERIENCE

Lab. Kimia Analisa dan Instrumentasi Pengujian UNSRI – Palembang, Indonesia Apr – Jun 2026
Laboratory Analyst (Internship)

- **Prepared solid, liquid, and solution samples** following validated SOPs to ensure analytical accuracy and testing reproducibility.
- **Executed qualitative and quantitative chemical analyses** on **50+ samples** using **GC-MS, HPLC, AAS, UV-Vis Spectrophotometer, and Bomb Calorimeter** for physicochemical characterization.
- **Operated and maintained analytical instruments**, including **XRD, XRF, and Particle Size Analyzer (PSA)**, for the characterization of **30+ composite and ash samples**.
- **Performed routine calibration, verification, and physicochemical testing** (pH, phosphate content, calorific value) to ensure compliance with laboratory quality requirements.
- **Reviewed, validated, and documented analytical results**, preparing laboratory reports while adhering to **Good Laboratory Practice (GLP)**, **ISO/IEC 17025** quality requirements, and

Laboratory Assistant – Physical & Organic Chemistry Laboratory Jan 2025 – Apr 2026

- **Facilitated 4 laboratory practical sessions**, mentoring **100+ undergraduate students** in experimental techniques, laboratory safety, and Good Laboratory Practice (GLP).
- **Prepared, calibrated, and maintained laboratory instruments, equipment, chemicals, and reagents** to ensure operational readiness and compliance with laboratory procedures.
- **Assessed laboratory reports, quizzes, practical examinations, and student performance**, ensuring timely completion of all academic evaluations while maintaining assessment quality and consistency.

ORGANIZATIONAL EXPERIENCE

Forum GenRe Indonesia Ogan Ilir – BKKBN Ogan Ilir 2025 – 2026
Head of Secretariat and Data Department

- Led and coordinated departmental administrative operations to ensure efficient organizational workflows and effective execution of programs.

- Managed official correspondence, document control, and records management, ensuring systematic filing, data accuracy, and document traceability.
- Oversaw organizational asset inventory, maintaining accurate asset records and ensuring the availability and proper utilization of organizational resources

HIMAKI – Department of Chemistry, Sriwijaya University

2023 – 2024

Staff of Creative Economy Department

- Collaborated with cross-functional teams in planning and executing student entrepreneurship and business development programs.
- Supported product promotion and marketing initiatives, contributing to increased participant engagement, product visibility, and sales performance.

CERTIFICATION AND TRAINING

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| • SNI IEC 17025:2017 – Makin Ahli | 2026 |
| • Good Laboratory Practice (GLP) – Makin Ahli | 2026 |
| • Good Manufacturing Practices (GMP) – BSN | 2026 |
| • Instrument Training XRD, PSA, UV-Vis, GC-MS – Department of Chemistry, UNSRI | 2025 |
| • Laboratory OHS Training – Department of Chemistry, UNSRI | 2025 |
| • SNI IEC 9001: 2015 – BSN | 2025 |
| • Analysis AAS For Beginner Training Course – Lab Mania | 2024 |
| • Microsoft Office Basic for Beginners – Skill Academy by Ruangguru | 2023 |

ACHIEVEMENT AND SKILLS

- **Achievement:** Recipient of the Student Entrepreneurship Program (Beginner Scheme) Grant – Direktorat Jenderal Pendidikan Tinggi, 2024
- **Bahasa :** Indonesian (native) and English (intermediate)
- **Technical/ Instrumen:** GC-MS, HPLC, AAS, UV-Vis, XRD, XRF, Bomb calorimeter, and PSA
- **Software:** Ms. Office (Excel, Word, dan PowerPoint), MassLynx (LC-MS/MS), ChemDraw, Xcalibur, and MiniFlex.
- **Soft Skills:** Teamwork, Communication, Time management, Attention of detail, Problem solving, Adaptability and *Fast learner*.