

# REGHITA PUTRI YULNAFSI, S.Si

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## PROFILE

Chemistry graduate from Universitas Sriwijaya with Cum Laude honors (GPA 3.74/4.00). Experienced in laboratory analysis through internship, research, and laboratory assistant roles in Analytical Chemistry, Physical Chemistry, and the Laboratory of Analytical Chemistry, Instrumentation, and Testing (LKAIP). Proficient in chemical analysis, laboratory data processing and interpretation, technical report preparation, and the operation of various laboratory instruments. Detail-oriented, responsible, and collaborative, with practical knowledge of Good Laboratory Practice (GLP) and Standard Operating Procedures (SOPs). Seeking to develop a career in Quality Control (QC), Quality Assurance (QA), Laboratory Analysis, and Research & Development (R&D) within the chemical-based industry.

## EDUCATION

**Sriwijaya University** – Palembang, Indonesia Aug 2022 – Apr 2026  
Bachelor of Science (Chemistry), GPA: 3.74/4.00

- **Research:** Biological Activity And Tentative Identification Of Compounds In The Column Fraction Of Methanol Extract Of Manggo Rhizome (*Curcuma amada* Roxb.) — Grade A
- **Relevant coursework:** Standardization, Organic Chemistry, Biochemistry, Analytical Chemistry, and Instrumental Analysis.

### Undergraduate Thesis Research

Jun 2025 – Dec 2025

- Conducted extraction and isolation of **secondary metabolites** from natural materials using **extraction techniques** and **column chromatography**.
- Evaluated antioxidant and antibacterial activities using the **DPPH assay, UV-Vis spectrophotometry, and antibacterial testing** in accordance with laboratory standards.
- Identified and characterized compounds using **LC-MS/MS and FTIR**, and processed and interpreted analytical data to support research findings.

## WORK EXPERIENCE

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

- **Prepared and analyzed solid, liquid, and solution samples** in accordance with validated SOPs to ensure accurate and reproducible results.
- **Performed qualitative and quantitative analyses of 50+ samples** using **GC-MS, HPLC, AAS, UV-Vis Spectrophotometer, and Bomb Calorimeter** for physicochemical characterization.
- Operated and maintained **XRD, XRF, and Particle Size Analyzer (PSA)** to characterize **30+ composite and ash samples**.
- Conducted routine **instrument calibration, verification, and physicochemical testing**, including pH, phosphate content, and calorific value, to support quality control requirements.
- Evaluated and documented analytical results and prepared technical laboratory reports in compliance with **Good Laboratory Practice (GLP)** and **ISO/IEC 17025** requirements.

### Laboratory Assistant – Physical Chemistry Laboratory

Sept 2025 – Dec 2026

- Led **3 laboratory practical sessions** for **100+ undergraduate students**, providing guidance on experimental procedures, data collection, calculations, and report preparation in accordance with laboratory procedures and **GLP**.
- Prepared, calibrated, and maintained **laboratory instruments, equipment, chemicals, and reagents**, ensuring operational readiness and compliance with safety procedures.
- Evaluated **laboratory reports, quizzes, practical examinations, and student performance**, ensuring accurate, consistent, and timely assessments.

## ORGANIZATIONAL EXPERIENCE

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**Himpunan Mahasiswa Kimia (HIMAKI) – Universitas Sriwijaya**  
*Secretary, Student Advocacy and Welfare Department (ADKESMA)*

Jan 2025 – Dec 2025

- Managed departmental documentation and administrative records, including correspondence, certificates, meeting minutes, and member databases.
- Maintained accurate and organized records while ensuring administrative processes complied with established SOPs.
- Coordinated administrative activities and supported the documentation and execution of departmental programs.

**Muslim Scientist Community FMIPA – Universitas Sriwijaya**  
*Head of Community Affairs Department*

2023 – 2024

- Led and coordinated departmental programs while managing team members to achieve organizational objectives and program targets.
- Planned, executed, and evaluated student development programs, ensuring activities were well-organized and completed according to established plans.
- Coordinated with internal teams and external stakeholders to facilitate effective communication and successful program implementation.

## CERTIFICATION AND TRAINING

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| • SNI ISO/IEC 17025:2017 Laboratory Quality Management System – BSN            | 2025 |
| • Instrument Training XRD, PSA, UV-Vis, GC-MS – Department of Chemistry, UNSRI | 2025 |
| • Laboratory OHS Training – Department of Chemistry, UNSRI                     | 2025 |
| • Introduction to Standardization — BSN                                        | 2025 |

## ACHIEVEMENT AND SKILLS

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- **Achievement:** Selected as a recipient of PKKM student incentive funding through the Chemistry Department's internal selection process, as officially stated in Universitas Sriwijaya Rector's Decree No. 0243/UN9/SK.BAK.KM/2024 (2024).
- **Language:** Indonesian (native) and English (intermediate)
- **Technical/ Instrument :** GC-MS, AAS, UV-Vis, XRD, XRF, Bomb calorimeter, PSA, and pH meter.
- **Software:** Ms. Office (Excel, Word, dan PowerPoint), ChemDraw, Xcalibur, OriginLab and MiniFlex.
- **Soft Skills:** Analytical Thinking, Attention to Detail, Problem-Solving, Teamwork, Communication, Time Management, Adaptability, and Quick Learning.