

RAHMATIA SEKAR AYU

FRESH GRADUATE-S1 CHEMISTRY

Wonosobo, Jawa Tengah | +6289681514176 | rahmatiasekar@gmail.com | www.linkedin.com/in/rahmatiasekarayu



SUMMARY

Fresh graduate with a Bachelor's degree in Chemistry from Jenderal Soedirman University, with strong interest in laboratory analysis, research, and biotechnology. Skilled in qualitative and quantitative analysis, experienced in UV-Vis Spectrophotometry, AAS, electrophoresis and instrumentation. Highly motivated, detail-oriented, and capable of working independently or in a team.

EDUCATION

Bachelor of Science in Chemistry [🔗](#) Aug 2021 - Aug 2025

Jenderal Soedirman University - Purwokerto, Central Java, Indonesia

- GPA: 3.4/4.0
- Scholarship: Bright Scholarship (YBM BRILian).
- Relevant Coursework: Chemical Analyst, Quality Control, Quality Assurance, Research and Development, Cosmetic Chemistry, Medicinal Chemistry, Biotechnology, Enzymology, Chromatography, and Spectroscopy.

PROJECTS

Purification of Urease from Bitter Melon Seeds Using Ammonium Dec 2024 - Apr 2025

Sulfate and Immobilization on Commercial Agar-Agar

Thesis

- Conducted enzyme immobilization research to improve stability and reusability.
- Applied spectrophotometry for enzyme activity testing.

WORK EXPERIENCE

Practicum Assistant, Jenderal Soedirman University

Biochemistry Laboratory

Sep 2024 - Jun 2025

- Assisted 100+ students in biochemistry, physical biochemistry, biotechnology, and metabolism sessions, focusing on carbohydrates, proteins, lipids, enzymes, vitamins, DNA isolation to the preparation of phylogenetic trees, glycogen, glycolysis, electrophoresis, biomolecule testing and enzyme activity, electrophoresis, dyes, viscosity, and dialysis.
- Operated 10+ lab instruments and introduced key principles of lab safety and experimental design.
- Prepared teaching materials, quizzes, material and practical tools.

General Chemistry Laboratory

Aug 2024 - Nov 2024

- Assisted 50+ students in general chemistry sessions, focusing on organic compounds, like acids, bases, esterification, protein, and unsaturated compounds.
- Introduced lab instruments and key principles of lab safety and experimental design.
- Responsible for calculating and compiling final practicum scores using Excel.

Internship, Wonosobo Regional Health Laboratory

Jun 2023 - Jul 2023

- Analyzed 100+ water samples with UV-Vis & AAS.
- Performed safety testing on 10+ food samples (borax, formalin, dyes).
- Drafted reports following SOP.
- Assisted in data processing & inventory management.

ORGANISATION EXPERIENCE

Chemistry Student Association Jenderal Soedirman University

Academic Division Staff

Aug 2022 - Aug 2023

- Coordinated industrial visits as a means of introducing the world of work, impacting 30+ participants.
- Organized an exam preparation tutor program for active students, impacting 100+ students.
- Organized Student Creativity Program preparation class, 3 meetings with 20+ participants.

Student Welfare Division Staff

Aug 2022 - Aug 2023

- Carried out social assistance activities like Kimia Mengajar, Kimia Berbagi, etc, impacting 100+ people.
- Organised department anniv, impacting 100+ students, teachers, and staff.
- Disseminated scholarship information to students, impacting 100+ students.

SKILLS

Technical : UV-Vis, AAS, Electrophoresis, Microbiology, Titration, Gravimetry, Sample Preparation, Method Validation, Data Analysis

Software : Microsoft Office, ChemDraw, OriginLab, SPSS, BioEdit, MEGA11, Canva

Soft Skills: Detail-Oriented, Analytical thinking, Communication, Teamwork, Leadership, Problem solving

ADDITIONAL INFORMATION

- **Languages**: Indonesian (Native), [English \(Fluent\)](#).
- **Certifications**: [UV-Vis Spectrophotometer Training](#), [Fast Track Quality Assurance Staff](#), [Laboratory Safety Training](#)