

FAHIRA RAHMA

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Bachelor of Chemistry graduate with a strong foundation in Analytical Chemistry and Quality Control. Experienced in chemical analysis, laboratory testing, sample preparation and handling, analytical data verification, and laboratory documentation through laboratory internship and research projects. Familiar with GC-MS analysis, laboratory safety, quality control practices, and analytical procedures. Detail-oriented, analytical, systematic, and motivated to contribute as an Analytical Quality Control Analyst/Chemist.

Training & Certification

- Hazard Analysis and Critical Control Point (HACCP) ([Certificate](#))
- Good Manufacturing Practice (GMP) ([Certificate](#))
- ISO 22000 – Food Safety Management System ([Certificate](#))
- FSSC 22000 Version 7.0 ([Certificate](#))
- Occupational Health and Safety (K3) ([Certificate](#))
- UV-Vis Spectrophotometer – Operation ([Certificate](#))

Work / Internship Experience

Regional Health Laboratory of Pekalongan City – Pekalongan, Central Java

July 2024 – Aug 2024

Chemical Laboratory Analyst

- Conducted chemical analysis of water and food samples to assess quality parameters and chemical composition.
- Prepared, handled, and processed laboratory samples in accordance with established analytical procedures.
- Performed chemical testing and reviewed analytical results to assess data accuracy and reliability.
- Verified test results and analytical data before reporting findings.
- Recorded, compiled, and organized analytical test results into systematic laboratory reports.
- Maintained laboratory records and followed established safety and quality control procedures.
- Supported quality control activities by ensuring proper sample handling, testing procedures, and documentation.
- Applied laboratory procedures consistently to maintain the accuracy and reliability of analytical results.

Education

Jendral Soedirman University – Purwokerto, Central Java

Aug 2022 – June 2026

Bachelor of Chemistry, Faculty of Mathematics and Natural Sciences | GPA: 3.29/4.00.

Research Projects

Analysis of Water Extracts from Tegeran and Tingi Wood as Natural Dyes for Rattan | Jun 2026

- Extracted natural dyes from tegeran and tingi wood using laboratory procedures.
- Performed analytical characterization of the extracts using GC-MS.
- Processed and analyzed GC-MS data to evaluate the chemical composition of the extracts.
- Applied the extracted natural dyes to rattan as a coloring material.

Production of Fire Extinguisher Powder from Quail Eggshells | Dec 2025

- Investigated the composition of quail eggshells and compared their characteristics with other animal and eggshell materials.
- Prepared eggshell powder for fire extinguisher applications.
- Analyzed the composition of the prepared material using analytical instruments.
- Developed a technical module describing the eggshell powder production process.

Organizational Experience

BASIC (Base of English Science Club) – Purwokerto, Central Java

March 2024 – Feb 2025

Vice President

- Coordinated internal divisions and maintained effective communication across committees.
- Planned and executed organizational programs, including debate competitions and English language workshops.
- Supported organizational development, budget allocation, member engagement, and external partnerships..
- Monitored program implementation and coordinated with division members to ensure activities were conducted according to plan.
- Coordinated with external parties to support organizational activities and partnerships.

BEM KM MIPA – Purwokerto, Central Java

March 2023 – Feb 2024

Staff, Ministry of Foreign Affairs

- Coordinated comparative studies with two universities to facilitate knowledge sharing and identify organizational best practices.
- Facilitated communication between students and alumni to strengthen networking and mentorship opportunities.
- Organized 4 career webinars in collaboration with industry professionals.
- Coordinated schedules and communication with external stakeholders.
- Assisted in planning and coordinating programs to ensure effective communication between internal and external stakeholders.

Certifications & Skills

- **Analytical & Laboratory Skill** : Chemical analysis, Laboratory Testing & Analysis, Sample Handling & Preparation, Analytical Data Verification & Validation, Analytical Instrumentation, GC-MS Analysis, Data Analysis, Laboratory Documentation, Technical Reporting, Quality Control Produce.
- **Software** : Microsoft Office (Word, Excel, PowerPoint), Google Workspace (Docs, Sheets, Drive).
- **Soft Skills** : Attention to Detail, Analytical Thinking, Critical Thinking, Problem Solving, Teamwork, Communication, Coordination, Time Management, Adaptability, Responsibility
- **Language** : Indonesia (Fluent), English (Professional Working Proficiency)