



Andriana Marsya Shahidah

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OBJECTIVE

Chemistry undergraduate at Universitas Indonesia with hands-on experience in laboratory research, analytical testing, and material characterization through a six-month internship at the National Research and Innovation Agency (BRIN) and an ongoing research assistantship. Experienced in operating instruments, interpreting characterization data, and supporting scientific publication projects. Skilled in experimental design, laboratory documentation, data analysis, and technical reporting, with a strong interest in Research & Development (R&D), Quality Control (QC), Quality Assurance (QA), and analytical laboratory roles.

EDUCATION

Universitas Indonesia | Bachelor of Science in Chemistry

GPA: 3.42/4.00

Presented undergraduate thesis research at the Korea Institute of Science and Technology (KIST), Seoul, South Korea, and participated in focus group discussions with KIST researchers as part of an international research collaboration.

EXPERIENCE

Research Assistant (Research Laboratory)

Mar 2026 – Present

Department of Chemistry, FMIPA Universitas Indonesia

- Assisted laboratory research activities supporting scientific publication projects.
- Prepared research materials, chemicals, and samples, and coordinated sample submission for characterization using analytical instruments.
- Processed, analyzed, and interpreted characterization data to support research findings and scientific publications.
- Maintained laboratory documentation, experimental records, and research data organization.

Research Intern

Feb 2025 – July 2025

National Research and Innovation Agency (BRIN)

- Conducted laboratory research on waste-to-energy technologies through plastic and biomass pyrolysis, including alternative fuel production, Total Acid Number (TAN), and fuel quality analyses.
- Processed, analyzed, and interpreted experimental data to evaluate research outcomes and optimize experimental procedures.
- Participated in biomass gasification research for syngas production and renewable energy development.
- Prepared technical reports, research documentation, and final internship report.
- Worked collaboratively with researchers to ensure accurate experimental execution and data reliability.

LEADERSHIP & ORGANIZATIONAL

HMD Kimia UI | Staff of Social and Environmental Affairs

July 2023 – Mar 2024

- Developed educational content and public campaigns on environmental sustainability, waste management, and social awareness.
- Designed digital publications and communication materials to increase student engagement.
- Collaborated with cross-functional teams to organize community outreach activities and awareness campaigns.
- Managed project timelines and ensured timely delivery of publication materials.

Teras Belajar MIPA 2023 | Deputy Head of Finance

Aug 2023 – Feb 2024

- Led and supported financial operations, overseeing budgeting, financial administration, and expense documentation for organizational programs.
- Supervised preparation of financial reports and monitored budget utilization to ensure transparency and accountability.
- Coordinated reimbursement processes and guided finance team members in maintaining accurate and organized financial records.

OKK UI 2023 | Mentor

July 2023 – Aug 2023

- Mentored incoming undergraduate students during the university orientation program, providing academic guidance and campus adaptation support.
- Facilitated communication between new students and the organizing committee throughout the orientation period.
- Assisted in organizing orientation activities and ensuring participant engagement.

SKILLS

Hard Skills

- Laboratory Skills, Sample Preparation & Chemical Solution Preparation
- Analytical Instrument Operation (FTIR, UV–Vis)
- Characterization Data Analysis & Interpretation (Raman, VSM, FTIR, UV–Vis, XRD, SEM, TEM, BET, GC–MS)
- Scientific Reporting & Technical Documentation
- Microsoft Excel, Microsoft Word, Microsoft PowerPoint, OriginPro, Mendeley, Canva

Soft Skills

- Analytical Thinking
- Problem Solving
- Teamwork & Collaboration
- Time Management
- Adaptability