

SASKIA AULIA

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Bachelor of Science graduate from Departement of Chemistry Bandung Institute of Technology with a strong foundation in analytical chemistry, particularly in the operation of laboratory instrumentation gained through undergraduate project research, analytical chemistry laboratory assistant, and internship experience. Highly motivated to build a career in quality control, quality assurance, chemical analyst, or research and development. A collaborative professional with strong leadership and communication skills, developed through extensive involvement in student organizations.

EDUCATION

Bachelor of Science in Chemistry, Institut Teknologi Bandung

Jul 2021 – Aug 2026

- **GPA:** 2.96/4.00
- **Final Project Research:** Synthesis of Poly((3-(Dimethoxy(methyl)silypropylMethacrylate)-co-Divinylbenzene) Modified with Dimethylldimethoxysilane and Its Potential as a High Performance Liquid Chromatography Stationary Phase

WORKING EXPERIENCES

Summer School Assistant, Institut Teknologi Bandung

Jul 2026 – Aug 2026

- Prepared laboratory materials and equipment for hands-on sessions during one week program
- Served as laboratory assistant and supervised 20 international and domestic participants during practical laboratory sessions and on-site sampling excursions

Analytical Chemistry Laboratory Assistant, Institut Teknologi Bandung

Sep 2025 – May 2026

- Instructed over 60 students in operating analytical instruments (HPLC, FTIR, GC-FID) and guided data interpretation across four laboratory courses
- Mentored 50+ students in preparing final research projects by facilitating the hands-on synthesis and characterization of HPLC column materials
- Supervised 6 student groups in conducting quantitative analyses of ascorbic acid utilizing base-acid and redox titration methods

Chemometrics Laboratory Assistant, Institut Teknologi Bandung

Sep 2025 – Aug 2026

- Guided 100+ students in applying RStudio for data analysis and supporting hands-on pratioce in data preprocessing and statistical evaluation
- Helped students with troubleshooting coding issues and interpret computational results to strengthen quantitative and data-driven problem solving skills

Chemical Analyst Intern, UPTD Laboratorium ESDM Jawa Barat

Jul 2024 – Aug 2024

- Conducted method verification research for groundwater testing, including the nitrate reduction column method for NO³⁻ and the SPADNS method for F²⁻ determination using a spectrophotometer
- Assisted analysts in conducting proficiency testing (inter-laboratory testing) across four parameters F²⁻, NO³ (as N), orthophosphate (as P), and Cl² contributing to the laboratory's achievement of the "Laboratory of Excellence" recognition

PROJECT EXPERIENCES

Research Collaboration Project, ITB Departement of Chemistry and PT Paragon Technology and Innovation

Mar 2026 - Aug 2026

- Conducted literature-based research to identify and develop the appropriate HPLC method for accurate ACH measurement.
- Carried out iterative method trials to determine the optimal separation and detection conditions, successfully validating the method against reference sources.

ORGANIZATIONAL EXPERIENCES

Deputy Minister for Campus Dynamics & Integration I, Kabinet KM ITB 2025/2026

Jul 2025 - Apr 2026

- Initiated and launched a new event, "Entrepreneurship Bazaar," as a collaboration platform between student organizations
- Achieved 88.14% OKR completion rate for the division's programs
- Served as primary liaison between 50+ HMPS and 80+ UKKM building and maintaining strong cross-organizational relationships

Project Manager, Student Fellowship Indonesia

Aug 2025 - Feb 2026

- Led execution of the Career Mentoring Program for 40 mentees, coordinating 14 mentors, facilitators, and external partners
- Structure key program components including classes, mentoring sessions, assignments, and milestone tracking. Also managed operational workflows, documentation, and communication across the program

Head of Student Association 2024/2025, HMK 'AMISCA' ITB

Apr 2024 - Mar 2025

- Led 300+ members, achieving an 84.23% OKR completion rate for the association's strategic programs
- Led a community service initiative providing water filtration facilities made from zeolite for residents of Kampung Clipait

Head of Seminar and Ceremony Division, OKTAN ITB 2024

Sep 2023 - Feb 2024

- Organized OKTAN ITB's main events for 30 finalists of a prestigious national chemistry olympiad hosted by HMK 'AMISCA' ITB
- Ensured on-time execution of main events and coordinated task delegation across divisions

SKILLS

Language: Indonesian (native) and English (work proficiency)

Software: OriginPro, ChemDraw, RStudio, ImageJ, Microsoft, Google workspace

Soft Skills: Leadership and Organizational Management, Problem Solving, Public Speaking, Team Working, Project Management, and Event Planning.

Others:

- Basic laboratory : analytical chemistry, titration, biomolecular analysis, and organic-inorganic synthesis.
- Sample separation and purification workflows : centrifugation, filtration, liquid-liquid extraction, recrystallization, and adsorption-based treatment.
- Analytical instrument operation : High Performance Liquid Chromatography (HPLC), FTIR, UV-Vis Spectrophotometer, pH meter, GC-FID, and Atomic Absorption Spectroscopy (AAS)