



SAFINA DYAH ANGGRAENI

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Bogor, West Java

Freshgraduate in Chemistry from IPB University with a specialization in Physical Chemistry. Experienced in Research and Development within the manufacturing industry through internship and teaching assistant roles during undergraduate studies. Skilled in operating analytical instruments, data processing, and research data analysis. Interested in pursuing a career in Research and Development (R&D), Quality Control (QC), Quality Assurance (QA), and laboratory analysis, particularly within the natural products, pharmaceutical, cosmetic, food, and environmental industries.

Work Experiences

PT SEIV Indonesia - Tangerang

Sep 2025 - Nov 2025

Research and Development Intern in Synthetic Paint Division

- Conducted physicochemical testing of paint formulations, including viscosity, solid content, specific gravity, gloss, opacity, pendulum hardness, drying time, adhesion, impact resistance, flexibility (bending), and QUV-B weathering evaluation across 6 paint formulations.
- Developed and optimized pigment paste/color paste formulations to ensure color dispersion stability in 5 paint formulations.
- Performed paint color matching by adjusting pigment formulations based on visual assessment and spectrophotometer measurements to achieve target ΔE values within acceptable tolerance limits.

IPB Department of Chemistry - Bogor

Apr 2025 - Present

Physical Chemistry Laboratory Assistant

- Guided 80+ second-year undergraduate students in the operation of UV-Vis spectrophotometers for determining the characteristics of polyene compounds and conductometers for salt solubility analysis.
- Evaluated and graded students' laboratory quizzes and practical reports on a weekly basis to support learning assessment and academic performance.
- Contributed to the development of final examination questions, ensuring alignment with course learning objectives and laboratory competencies.

IPB General Competency Education Program - Bogor

Jul 2024 - Jun 2025

Chemistry Laboratory Assistant (Science and Technology)

- Guided 100+ first-year undergraduate students in General Chemistry laboratory sessions, providing instruction on the use of spectrophotometers, pH meters, and other analytical instruments.
- Delivered tutorial and review sessions on fundamental chemistry concepts to reinforce students' understanding of course materials and laboratory practices.
- Assessed and graded laboratory reports, pre-tests, post-tests, and independent laboratory assignments, ensuring accurate evaluation of students' academic performance and practical competencies.

Education Level

Institut Pertanian Bogor

Aug 2022 - Aug 2026

Bachelor of Science in Chemistry, 3.46/4.00

- A final-year research project regarding the potential of Indonesian natural products as anti-obesity agents, titled "Inhibition of Pancreatic Lipase and α -Glucosidase by Asam Gelugur, Kunci Pepet, and Calliandra Honey by In Silico and In Vitro Studies"

Organisational Experience

Ikatan Mahasiswa Kimia (Imasika) - Bogor

Jan 2024 - Jan 2025

Staff in Chemistry Research and Development Division

- Organizing internalization activities for 80 members to create social order within the organization.
- Carry out the cadre function for leadership regeneration.

ChemConnect 2024 - Bogor

Mar 2024 - Sep 2024

Secretary

- Managed and organized 30+ administrative and event-related documents to ensure efficient documentation and record-keeping.
- Prepared event proposals, official correspondence, and accountability reports to support the planning and execution of organizational activities.
- Produced and maintained 15 meeting minutes, documenting key decisions and action items for 50 committee members across multiple divisions.
- Managed and maintained databases for 101 participants, 50 committee members, and 10+ external partners, ensuring data accuracy.

and accessibility throughout the program.

Chemistry in Action 2024 - Bogor (Online)

Feb 2024 - Sep 2024

Head of the Event Division

- Developed and planned event concepts, including event run sheets, implementation guidelines, and technical execution manuals to ensure smooth program delivery.
- Collaborated with subject-matter experts and guest speakers to facilitate knowledge sharing and provide valuable insights to participants.
- Created and managed 33 promotional and educational content pieces for Instagram and TikTok to strengthen brand image, increase audience engagement and participation, and expand the program's promotional reach.

Skills, Achievements & Other Experience

- **Webinars Attended** 🕒 (2026): Spices and Medicine Symposium by UCL School of Pharmacy
- **Webinars Attended** 🕒 (2024): Good Laboratory Practice
- **Projects** (2025): Integrated Practicum 2, featuring the research project titled "Comparison of Coolants Based on Used Cooking Oil and Fresh Oil with TiO₂/CuO Nanocomposites and SPAN-80 Surfactant Stabilizer"
- **Soft Skills:** Analytical skills, problem-solving, critical thinking, teamwork, communication, time management, leadership
- **Hard Skills:** Microsoft Office, Discovery Studio Visualizer, Autodock Tools, Autodock Vina, AutoGridFR, PyMOL, Ligplot+, Canva