

PUSPITA RATIH KUSUMANINGRUM

puspitaratih9a@gmail.com | +6288211462566 | West Jakarta, Indonesia

<https://www.linkedin.com/in/puspita-ratih-kusumaningrum-ab5550265>

PERSONAL DESCRIPTION



Recent Chemistry graduate from Brawijaya University with practical experience operating analytical instruments (FTIR, UV-Vis, HPLC, AAS, pH Meter) and conducting physicochemical testing, supported by strong knowledge of chemicals, formulation processes, and laboratory practices. Experienced in handling Oracle ERP workflows and data processing. Demonstrates strong analytical thinking, problem-solving, attention to detail, adaptability, and collaboration. Highly motivated to contribute to Research and Development (R&D) roles within the industry.

WORK EXPERIENCE

Perumda Air Minum Jaya (PAM JAYA)

Administration Intern

Oct 2025 – Now

- Created and processed CAPEX & OPEX PRs in Oracle ERP with data validation and workflow submission.
- Scheduled and managed Preventive Maintenance (PM) activities in Oracle ERP, including task types and intervals.
- Monitored and recorded Corrective Maintenance (CM) work orders in Oracle ERP to ensure accurate updates.
- Analyzed and organized operational data in Excel using PivotTables and advanced functions (VLOOKUP, HLOOKUP, IF, COUNT).

PT Morrigan Services

Quality Control Freelance

Oct 2025

- Reviewed and analyzed mystery shopper recordings to ensure accuracy and compliance.
- Performed quality control on assessment reports, verifying results and refining content.

Departement of Chemistry, Brawijaya University

Analytical Chemistry Practicum Assistant Coordinator

Feb 2025 – Jun 2025

- Led a team of 8 laboratory assistants by providing guidance to ensure effective practicum sessions.
- Supervised 52 students during laboratory activities to ensure effective practicum implementation

Departement of Chemistry, Brawijaya University

Instrumental Analytical Chemistry and Physical Chemistry Laboratory Assistant

Aug 2024 – Dec 2024

- Supervised and guided six students per session during HPLC and redox reaction practicums.
- Assessed pre-practicum and experimental reports, providing constructive feedback to enhance students learning outcomes.

PT PZ Cussons Indonesia

Quality Control Intern

Jul 2024 – Aug 2024

- Assisted in HACCP analysis to identify potential production risks.
- Executed physicochemical testing of finished products (pH, viscosity, salt content, loss on drying, surfactant analysis).
- Ensured quality compliance through raw material sampling and FTIR analysis of cajuput and coconut oils.

EDUCATION

Brawijaya University

Bachelor of Chemistry

Aug 2021 – Jul 2025

- Completed English-delivered coursework (lectures, assignments, and exams)

ORGANISATIONAL EXPERIENCE

BEM FMIPA Brawijaya University

Creative Economy Division Staff

Mar 2023 – Dec 2023

- Designed and promoted FMIPA laboratory coats and merchandise.
- Successfully sold 200+ laboratory coats.
- Secured sponsorships with 5+ brands for Entrepreneurship Day 2023 program.
- Documented revenue generated from sales.

Scholarship Day 2023

Public Relation Division Staff

Aug 2023 – Nov 2023

- Created 4 promotional contents on Instagram with an average of 4.500 views per video.
- Successfully attracted 120+ participants through targeted promotional content.

Mahasiswa Membangun Desa (MMD) Brawijaya University

Event Division Staff

Jul 2023 – Aug 2023

- Developed rundowns for 10 work programs to ensure effective execution.
- Facilitated cross-division and stakeholder coordination to optimize technical implementation.
- Successfully engaged 50+ participants to attend 5 work programs.

PROJECTS

Thesis: Fabrication and Characterization of Zinc(II) Potentiometric Sensors Based on S-Methyl-N(Methylcarbamoyloxy) Thioacetimide Modified with Graphene Oxide (GO)

Analytical Chemistry

Feb 2025 – Jul 2025

- Synthesized S-Methyl-N-(Methylcarbamoyloxy) Thioacetimide as part of organic synthesis research.
- Fabricated carbon paste electrode for Zinc(II) potentiometric sensor applications.
- Characterized Zinc(II) potentiometric sensor by evaluating Nernst Factor, linear concentration range, detection limit, response time, and lifetime.

Manufacturing Shampoo from Coconut Oil and Lime

Chemistry Project

Aug 2024 – Dec 2024

- Formulated a natural shampoo using coconut oil and lime as active ingredients, combined with humectants, surfactants, preservatives, and thickeners to enhance stability.
- Characterized the formula against SNI benchmarks by evaluating viscosity, texture, pH, stability, and shelf life.

ACHIEVEMENTS

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| • Silver Medal of International Science Olympiad | 2024 |
| • Semifinalist of Progressive Research of Chemical Engineering Paper | 2023 |

SKILL

Language: Indonesian (Advance), English (Intermediate).

Software: MarvinSketch, Canva, Microsoft Office (Word, Excel, and Power Point), Oracle ERP, Google Worksheet (Drive, Sheets, Docs), Odoo.

Soft Skills: Analytical Thinking, Problem-Solving, Teamwork, Curiosity, Adaptable, Detail-Oriented, Time Management.

Hard Skills: Laboratory testing, Chemicals Knowledge, Chemical Analysis, Data Interpretation, Product Evaluation.

