

RD. ANDRIANNE ARTAMEVIA WIBAWA

+62 896 4397 6390 | andriannewibawa@gmail.com | linkedin.com/in/andrienne-artamevia-wibawa |
bit.ly/portfolioandrianneartamevia
Tangerang, Banten, Indonesia

Bachelor of Science in Chemistry graduate with research and quality control experience in the manufacturing industry. Skilled in raw material, in-process, and finished goods quality control, laboratory analysis, microbiological testing, and material characterization. Possesses a working knowledge of Quality Management Systems (ISO 9001:2015), supported by hands-on experience in standardized laboratory and manufacturing environments. Seeking to contribute to product quality, innovation, and continuous improvement in Research & Development, Product Development, Quality Assurance, and Quality Control.

EDUCATION

Universitas Negeri Semarang — Semarang

Sep 2020 - Jun 2025

Bachelor of Science in Chemistry (B.Sc.), GPA 3.79/4.00

- Thesis: *Extraction of TiO_2 from Bangka Ilmenite through Na_2CO_3 Roasting and HCl Leaching, followed by Silver Modification for Antibacterial Applications.*
- Focused on materials chemistry, inorganic chemistry, and instrumental analysis through laboratory-based research.

WORK EXPERIENCE

PT Plymilindo Perdana — Tangerang

Nov 2025 – May 2026

Quality Control Process

- Conducted raw material inspections to ensure compliance with established specifications before production.
- Monitored production processes to maintain product quality and consistency.
- Performed quality testing on in-process and finished adhesive and paint products, including viscosity, pH, density, solid content, fineness, color, adhesion strength, and coating thickness measurement in accordance with quality standards.
- Operated laboratory instruments and analyzed test results to verify product compliance with quality requirements.
- Identified non-conforming products and supported corrective and preventive actions (CAPA).
- Ensured compliance with SOPs during laboratory testing while supporting Occupational Health and Safety (OHS) practices in laboratory and production areas.

National Research and Innovation Agency (BRIN) — South Tangerang

Mar 2024 – Sep 2024

Research Assistant

- Conducted research on the synthesis, modification, and characterization of natural materials for antibacterial applications.
- Performed sample preparation, material synthesis, and operated various laboratory equipment in accordance with established research procedures.
- Analyzed and interpreted material characterization data based on XRF, BET, XRD, and FESEM-EDS results.
- Evaluated antibacterial activity against *Escherichia coli* and *Staphylococcus aureus* using the disc diffusion method.
- Performed over 32 microbiological tests using diffusion, dilution, and Total Plate Count (TPC) methods.

Universitas Negeri Semarang — Semarang

Aug 2023 – Dec 2023

Organic Chemistry Laboratory Assistant

- Assisted more than 60 students in Phytochemistry laboratory experiments and report preparation.
- Prepared, managed, and maintained laboratory equipment, materials, and reagents for practical sessions.
- Ensured compliance with laboratory safety procedures and standard operating procedures (SOPs).

Research Intern

- Participated in research on natural zeolite-based materials to enhance the antibacterial stability of eugenol.
- Conducted material synthesis and analyzed characterization data based on XRF results.
- Performed over 12 antibacterial tests using the disc diffusion method against Gram-positive and Gram-negative bacteria.

ORGANIZATIONAL EXPERIENCE**Chemistry Student Association (HIMAMIA) UNNES — Semarang**

Jan 2022 – Jan 2023

Secretary

- Managed organizational administration, including correspondence, meeting minutes, documentation, and activity records.
- Coordinated meeting schedules, organizational events, and administrative requirements across divisions.
- Prepared and maintained proposals, accountability reports, and event permit documents.

Chemistry Student Association (HIMAMIA) UNNES — Semarang

Jan 2021 – Jan 2022

Administration and Logistics Staff

- Managed the preparation, distribution, and inventory of equipment and supplies for organizational activities.
- Supported the preparation of administrative documents, event proposals, and budget reports.
- Coordinated with cross-functional teams to support logistical and operational requirements.

PROJECTS & COMMUNITY SERVICE**Student Organization Capacity Building Program (PPK Ormawa) HIMAMIA UNNES — Semarang**

2023

- Participated in a community empowerment project focused on the preservation and commercialization of selected medicinal plants (TOGA) to improve community well-being.

Community Service Program (KKN) Universitas Negeri Semarang — Magelang

2023

- Implemented a community-based waste utilization project by converting used cooking oil into floor-cleaning soap.

CERTIFICATIONS & ACHIEVEMENTS**Certifications**

- Occupational Safety and Health Officer Certification (BNSP) — Badan Nasional Sertifikasi Profesi (2026)
- *Quality Management System (ISO 9001:2015) Awareness* — PT Plymilindo Perdana (2025)
- *Microsoft Excel Expert Bootcamp* — KarirNex, PT Ebiz Karisma Internasional (2025)
- *FT-IR Alpha II Spectrometer Training* — PT Novatech Integra Solusindo (2024)

Achievements

- Copyright Holder — "*Pengolahan Minyak Jelantah sebagai Sabun Pembersih Lantai*" (2025)
- Recipient of PPK Ormawa Program Funding awarded by the Ministry of Education, Culture, Research, and Technology (2023)
- Copyright Holder — "*Batik Akar Kuning dengan Pewarna Alami Berupa Kunyit yang Mengandung Senyawa Flavonoid*" (2022)

SKILLS & LANGUAGES**Technical Skills**

- Quality Control & Quality Assurance: Raw Material Inspection, In-Process and Finished Goods Quality Control, Product Testing and Analysis, Corrective and Preventive Actions (CAPA), Quality Management System (ISO 9001:2015)

- Chemical Analysis: Qualitative Analysis, Quantitative Analysis, Sample Preparation, Laboratory Data Analysis and Interpretation
- Laboratory & Microbiological Analysis: Antibacterial Testing, Disc Diffusion Method, Dilution Method, Total Plate Count (TPC)
- Material Characterization: XRF, XRD, BET, FESEM-EDS, FT-IR

Software & Digital Tools

- Scientific Software: Origin, ChemDraw
- Microsoft Office: Excel, Word, PowerPoint
- Google Workspace: Docs, Sheets, Slides
- Design & Editing: Canva, Adobe Photoshop

Languages

- Indonesian (Native Proficiency)
- English (Intermediate Working Proficiency)