

Natasya Arsy Putri

Bogor, 26 Februari 2003/ Phone: 0857-1104-4158 / natasyaarsyp@gmail.com

PROFILE

Chemistry graduate from IPB University with experience in Research & Development, Quality Control, and Laboratory Analysis. Skilled in product development, raw material evaluation, analytical testing, quality inspection, and data analysis. Detail-oriented, adaptable, and proficient in supporting product innovation and quality improvement through analytical and collaborative approaches.



EDUCATIONAL BACKGROUND

Institute / Major : IPB University / Chemistry (GPA of 3.37/4.00)
Periode : 2021-2025
Final Assignment Title : Effectiveness of Fast Growing Tree Species of Sengon, Eucalyptus and Mindi with In Silico and In Vitro Methods

WORK EXPERIENCE

Research and Development – Internship | Tropical Biopharmaca Research Center

Jul 2023 – Jul 2023

- Successfully produced essential oils from ginger, lemongrass, and cardamom.
- Assisted in the processing of medicinal plants, including drying, and powdering of plant materials
- Learned about the principles of natural product chemistry.

Formulation Chemist (Kedaireka Project) – Internship | Kemdikbudristek

Aug 2023 – Nov 2023

- Successfully developed an antimicrobial surgical thread prototype by combining graphene oxide with chitosan
- Collaborated in antimicrobial testing using the agar disk diffusion method to evaluate natural antimicrobial properties of chitosan and GO derived from areca nut.
- Collaborated in antimicrobial testing using the agar disk diffusion method to evaluate natural antimicrobial properties of chitosan and GO derived from areca nut.

Laboratory Assisntant | Department of Chemistry, IPB University

Jan 2024 – Mar 2024

- Guided students in performing experiments while maintaining safety and proper techniques.
- Assisted in clarifying procedures and troubleshooting problems during lab work.

Quality Control – Intership | PT Alam Indonesia Raharja

Sep 2024 – Nov 2024

- Conducting testing and analysis of essential oils to ensure essential oils meet standards (SNI).
- Conducting physical property tests on essential oils, including organoleptic tests, solubility, refractive index, density, and GC-FID.
- Distilling and blending essential oils.

Research and Development | PT Marui Solusindo Atmadja

Aug 2025 – Aug 2026

- Develop and formulate products in accordance with technical specifications, quality standards, and applicable regulations (e.g., BPOM) and leveraged market trends to drive product innovation.
- Conduct stability testing, raw material compatibility testing, and product performance evaluation.
- Optimize formulations based on test results, cost efficiency, and raw material availability.
- Collaborate with Quality Control, Production, and R&D teams to ensure smooth product development and scale-up processes.

ORGANIZATIONAL EXPERIENCE

Ikatan Mahasiswa Kimia (IMASIKA) – Staff at Internal and Development Division | IPB University

- Assisted in planning and evaluating team performance to improve organizational effectiveness.
- Contributed to maintaining a positive and productive internal culture within the organization.

SKILL & LANGUAGES

Languages: Indonesian: Native | English: Upper Intermediate (TOEFL Score 550)

Technical Skill: GC-FID, GC-MS, LC-MS, HPLC, AAS, UV-Vis Spectrophotometer, FTIR Spectrometer, Viscometer, Refractometer, Density Meter, pH Meter, Laminar Air Flow (LAF), Microsoft Excel, Microsoft Word.

Licenses: Driving License (SIM A & SIM C)

CERTIFICATIONS

- **Halal Supervisor** | BPJPH and Halal Science Center, IPB University – Nov 2024
- **CPKB (Cara Pembuatan Kosmetik yang Baik), FTIR, GC-MS, AAS** | Temanlab – Jan 2026

ACHIEVEMENTS

- **Presenter**, *The 13th Asian Network for Natural and Unnatural Materials Conference 2025.*

CURRICULUM VITAE