

HENRA SINAGA

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Fresh graduate student at Sari Mutiara Indonesia majoring in Pharmacy who is interested in quality control, quality assurance, also research and development or innovation. I had 1 year of research experience at the National Research and Innovation Agency (BRIN). As a who is used to working technically and designing work processes in the laboratory. I have good analytical and critical thinking skills, detail oriented and time management which is expected to be able to contribute to the improvement of the company.

Work Experiences

National Research and Innovation Agency (BRIN) - Cibinong

Sep 2024 - Jan 2025

MBKM Student - INTERNSHIP

- Contribute to isolating cellulose from various biomass such as palm oil waste, fruit peels, and wood stems using various methods
- Carry out data processing and analyze sample characterization results including FTIR, XRD, TGA, SEM, TEM, and PSA using originLab and imageJ software

National Research and Innovation Agency (BRIN) - Cibinong

Mar 2025 - Aug 2025

Junior Researcher-Contract

- Synthesized and modified nanocrystalline cellulose (NCC) with particle size of 10-17 nm, improving performance as a stabilizer in emulsion.
- Performed physicochemical characterization and stability testing, achieving emulsion stability for 7 days in model system relevant to pharmaceutical, cosmetic, and formulation
- Collaborated in research discussion and problem-solving session with supervisors to interpret experimental data and optimize formulation.

Education

Sari Mutiara Indonesia University- Medan Sumatra Utara

Sep 2021 - Aug 2025

Graduate Student in Pharmacy, 3.65/4.00

- Become an instrument practicum assistant for 1 semester to practice laboratory and leadership skills
- Joined the pharmacy study group and contribute as members of the research and development division which organizes events such as workshops, talk shows and research classes related to drug science
- Actively volunteering for 1 year at orphanage service center in order to help with the lecture process of friends with orphanage and train communication skills

Indonesian Student Exchange Program (Merdeka Batch 3)

Sep 2023 - Jan 2024

Muhammadiyah Kalimantan Timur University

- Completed an interdisciplinary course on hazardous (B3) waste management to enhance understanding of environmental safety in the pharmaceutical field.
- Participated in the Nusantara Module program to explore Indonesia's cultural diversity and strengthen cross-cultural collaboration skills.

Additional

- **Technical Skills:** Microsoft Office and OriginLab
- **Soft Skills:** Leadership & teamwork, Communication & presentation
- **Languages:** Indonesia (Native) and English (Basic) to medium level)