



SILSILIA LOLABELLA SEVERINA SIAGIAN

+62895359905203 | lolabellaseverina@gmail.com | [linkedin.com/in/silsilia-lolabella-severina/](https://www.linkedin.com/in/silsilia-lolabella-severina/)

I am a dedicated Biology fresh graduate from IPB University with a solid academic foundation in microbiology and its practical applications. I have contributed as Research and Development Intern at Charoen Pokphand Group and as a Research Intern at BRIN, where I gained insight into various laboratory techniques and equipment, experimental design, and honing my analytical thinking and proficiency in data interpretation to support evidence-based conclusions. I am now seeking a challenging opportunity to apply my research skills and analytical mindset to support product innovation and quality improvement.

EDUCATION

IPB University | Bachelor of Science in Biology

August 2021 – June 2025

- **GPA** : 3.54/4.00
- **Undergraduate thesis** : “The potential of clove (*Syzygium aromaticum*) and nutmeg (*Myristica fragrans*) essential oils and their combination for meat preservation”
- **Relevant coursework**: Biorisk and microbiology, Bioinformatics, Microbes genetic, Microbes for health, Microbes biotechnology and fermentation, Microbes genetics experiment.

WORK EXPERIENCE

Clinical Research Unit Intern | Mayapada Healthcare Group, Jakarta

Apr 2026 – Jul 2026

- Developed and structured comprehensive training modules for GCP and GCLP to ensure high-quality training
- Managed accurate data entry into clinical databases and maintained CRFs for clinical trial patients.
- Improved clinical research advertisements and public outreach to build patient trust and boost trial participation.

Laboratory Assistant of Basic Microbiology | Department of Biology, IPB University

Jan 2025 – June 2025

- Handled 3 practicum classes, guiding students in microbiological techniques such as aseptic methods, the proper use of laboratory equipment, and safety procedures.
- Delivered instructions, supervised experiments, and evaluated student performance through pre-tests and practicum reports.
- Assisted in laboratory preparation and collaborated with lecturers to ensure smooth and safe practicum sessions.

Research and Development Internship | PT Nugen Bioscience Indonesia, Charoen Pokphand Sep 2024 – Des 2024

- Performed in vitro phytase enzyme assays instruments and conducted research on optimizing microbial enzyme production.
- Contributed to the development of phytase application in livestock feed, gaining insights into its role in improving nutrient absorption and feed efficiency.

Research Intern | Badan Riset Inovasi Nasional, Cibinong

Dec 2023 – Jan 2024

- Conducted a research project on optimizing lipid production in microalgae, increasing biomass yield and lipid content.
- Investigated the effect of enzyme supplementation as an approach to enhance microalgal growth and lipid accumulation.
- Operated and maintained advanced laboratory instruments for microalgae cultivation, lipid extraction, and analysis to ensure accurate and reliable experimental results.

Laboratory Assistant of Basic Biology | Department of Biology, IPB University

Aug 2023 – Dec 2024

- Handled 4 classes of first-year students, leading practicum sessions and providing guidance in basic biology concepts and laboratory practices.
- Delivered explanations and demonstrations on fundamental topics such as fermentation, animal and plant cell structures, microscopy techniques, and basic laboratory skills.
- Conducted pre-tests, supervised experiments, and evaluated practicum reports, ensuring students gained both theoretical understanding and practical competence.

ORGANIZATIONAL EXPERIENCES

General Treasurer | Badan Eksekutif Mahasiswa (BEM) FMIPA IPB University

Jan 2023 – Dec 2023

- Oversaw all financial transactions and fundraising efforts, ensuring transparency and accountability in managing organizational funds.

- Responsible for budget planning, financial reporting, and fund management to support the smooth execution of programs
- Collaborated in more than 20 projects and served as a team leader in financial management, coordinating with committees to allocate resources effectively.

PUBLICATION

The potential of clove (*Syzygium aromaticum*) and nutmeg (*Myristica fragrans*) essential oils and their combination for meat preservation 2025

- Presented at the 6th International Conference of Biosciences (ICoBio) 2025. The paper has been accepted and published in the IOP Publishing Conference Series.

Notes on the Diversity of Macrofungi at Situgede Lake (Bogor) and Their Potential as Food Sources 2024

- Identified macrofungi at Situgede Lake (Bogor), Published in Jurnal Jeumpa 11 (2)

SKILLS & LANGUAGE

Laboratory skills : Aseptic methods, microbiological testing (TPC, pathogen detection, contamination testing), GMP, ISO, and HACCP standards, and Microsoft Office (Ms Excel, Ms Word, Ms Powerpoint)

Soft skills : Leadership, ability to work in team, communication

Language : English (550 TOEFL), Indonesian (Native)

CERTIFICATION

- **ICH Good Clinical Practice E6 (R3)**
The Global Health Network | Issued Apr 2026
Certificate Number ce5e8c8b-718b-44a2-9f7e-d73369cd5afa
- **Good Clinical Laboratory Practice**
The Global Health Network | Issued Apr 2026
Certificate Number c530f652-09b1-4f8d-9064-9cb94bfd2eb3