

NAZLA KAYLA

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📍 Bandung Regency, West Java, Indonesia

BIOLOGY GRADUATE | LABORATORY RESEARCH & ANALYSIS

Biology graduate from Universitas Padjadjaran specializing in Microbiology, with research experience in microbial isolation, characterization, and biological control studies. Author of a Q1-indexed scientific publication and experienced in laboratory techniques, data analysis, and scientific writing. Highly motivated to pursue careers in research and development, biotechnology, quality control, and laboratory analysis. Recognized as an adaptive, fast-learning, and collaborative professional with strong communication and problem-solving abilities.

EDUCATION

SMAN 1 Banjaran

2019 - 2022

Mathematic and Natural Science Major

Universitas Padjadjaran

Aug 2022 - Jun 2026

Faculty of Mathematic and Natural Science, Biology Major

GPA 3.86/4.00 (Cumlaude)

ORGANIZATIONAL EXPERIENCE

BIOSFER 2.0

May 2024 - Nov 2024

Head of Secretary Division

- Managed document archiving, meeting minutes, proposals, and accountability reports.
- Coordinated effectively across divisions to ensure administrative tasks were fulfilled.

MIPA BERSATU 2023

Ags 2023 - Nov 2023

Staff of Asessor Division

- Created and evaluated assignments for new student orientation at the Faculty of Mathematics and Natural Sciences.

PRABU 2023 (Penerimaan Raya Mahasiswa Baru Unpad)

Jun 2023 - Ags 2023

Staff of Facilitator Division

- Acted as facilitator for ~150 new students; assisted orientation flow and information dissemination.

Himpunan Mahasiswa Biologi Unpad (HIMBIO)

Jan 2023 - Des 2023

Staff of Social Department

- Led the "Sakola Arbor" program, mentoring 50 elementary students on environmental education for 3 weeks.

INTERNSHIP & WORK EXPERIENCE

Finder U-CoE, Universitas Padjadjaran

Feb 2025 - Jun 2025

R&D Intern

- Collected and analyzed data for a smart aquaculture research project.
- Performed material characterization using PSA, FTIR, and Zeta Potential Analyzer.
- Analyzed experimental data and prepared technical reports to support research decision-making.
- Assisted in project planning, documentation, and research coordination.

Laboratory of Basic Microbiology, Biology Department, Universitas

Feb 2025 - Mei 2026

Padjadjaran

Basic Microbiology Teaching Assistant

- Assisted lecturers in preparing laboratory equipment, culture media, reagents, and microbial cultures for practical sessions.
- Monitored students' practical work, provided technical guidance, and assisted in troubleshooting experimental procedures.
- Provided assessments and lab supervision.

RESEARCH & ACADEMIC PROJECT

Kuliah Kerja Lapangan (*Field Course*)

Oct - Dec 2024

Title: Exploration of Cellulolytic Bacteria, Nitrogen Fixation, and Phosphate Solubilizers from the Rhizosphere of Laban Tree (Vitex pubescens B.Heyne ex Wall) in Pangandaran Nature Reserve

Publication

March 2026

First-Author Q1 paper as an undergraduate student

- Kayla, N., Prismantoro, D., Awal, M. A., et al. (2026). Plant growth-promoting rhizobacteria for controlling rice diseases: What is known and what is next? Journal of Agriculture and Food Research (Elsevier). Scopus Q1. [<https://doi.org/10.1016/j.jafr.2026.102834>]

Undergraduate Thesis Research

Sep 2025 - May 2026

Title: "Isolation and Screening of Rhizobacteria from Rice Rhizosphere as Antagonists Against Burkholderia gladioli In Vitro"

TRAINING EXPERIENCE

Good Manufacturing Production (GMP)

Dec 2025

Makin Ahli

- Learning on fundamental operational requirements and hygiene practices to ensure consistent product quality and food safety compliance.

Hazard Analysis Critical Control Point (HACCP)

Dec 2025

Makin Ahli

- A proactive, science-based approach to identifying and controlling food safety hazards through rigorous preventive measures.

ISO 22000:2018

Dec 2025

Makin Ahli

- An international framework integrating management systems with food safety protocols to ensure quality across the entire supply chain.

Quality Assurance (QA) & Quality Control (QC)

Dec 2025

Makin Ahli

- Learning on establishing robust management systems and verification programs (QA), while implementing rigorous in-process inspections and hazard controls (QC) to ensure product safety.

SKILLS

Softskills

- Adaptive and fast learner
- Communication and collaboration
- Time management and task execution

Hardskills

- Laboratory skills (microbiology, cultivation, observation)
- Microsoft Office (Word, Excel, PowerPoint)

LANGUAGE

- Bahasa Indonesia (Native)
- English (Intermediate)

ACHIEVEMENTS

National Essay Competition

Dec 2024

2nd Runner-Up

Theme: "Climate Change and the Challenges of Biodiversity in Achieving the SDGs 2030"

National Biology Seminar (BIOSFER 3.0)

Dec 2025

Presenter

Titled: Exploration of Vitex pubescens Rhizosphere Bacteria: Cellulolytic, Nitrogen Fixation, and Phosphate Solubilization in Pangandaran Nature Reserve