

PEDRIK MARLIANDO

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A final-year pharmacy student at Gadjah Mada University with strong interest in **cosmetic formulation** and **product development**. Experienced in **laboratory analysis** and **formulation research**, including **optimizing gelling agents for serum** and evaluating product properties. Completed an internship in Quality Assurance at Kalbe Farma, gaining experience in quality risk assessment and validation documentation.

EDUCATION

Gadjah Mada University - Sleman, Yogyakarta

Aug, 2022 - Present

Bachelor of Pharmacy Program

- **Current GPA:** 3.86/4.00 (148 credits)
- **Achievement:** **1st Place** in Pendikar Essay Competition held by Institut Pertanian Bogor (2024), **2nd Place** in Pharmacito Drug Innovation Research held by Universitas Muhammadiyah Yogyakarta (2024), **2nd Place** in Essay Competition held by STIKSAM (2025)

High School Diploma in Mathematics and Natural Sciences– SMAN 7 Denpasar

Jun 2019 – Jun 2022

- **Graduation Score:** 93/100 | Ranked top 2 in class
- **Achievement:** **1st Place** in National Chemistry Competition held by UNS (2021), **3rd Place** in Chemistry Olympiad held by UNESA (2021), **5th Place** in National Chemistry Competition held by UNNES (2021), Bronze Medal in Kompetisi Sains Ruangguru (2021), finalist in the National Chemistry Olympiad (OSN)

PROJECTS AND WORKING EXPERIENCES

PT Kalbe Farma Tbk - Cikarang, Indonesia

Jan-Feb 2026

Quality Assurance Interns

- Conducting Quality Risk Management (QRM) assessments for 14+ raw materials. The assessment covered safety, quality, functional, and manufacturer aspect, in alignment with ICH Q9 principles on QRM.
- Reviewing 2+ Change Control documents related to PPI, ensuring that every proposed change was scientifically justified, risk-assessed, and properly
- Reviewing room monitoring reports (temperature, differential pressure, and humidity) for multiple classified areas to ensure compliance with facility standards.
- Observing and participating in 2+ pharmaceutical product destruction processes (manual and machine-based), ensuring compliance with regulatory and procedural requirements.
- Reviewed, developed, and prepared 9+ validation protocols and worksheets for Cleaning Hold Time (CHT), Cleaning Validation (CV), and Dirty Hold Time (DHT) to support cleaning process validation in accordance with pharmaceutical quality standards.
- Performed gap analysis between regulatory guidelines, internal SOPs, and RIV documentation to evaluate compliance and identify inconsistencies in documentation and implementation.

Gadjah Mada University - Sleman, Yogyakarta

Sept-Dec 2025

THPGV-5 Antioxidant Serum Formulation Project

- Conducted formulation research to develop a topical antioxidant serum containing tetrahydropentagamavunon-5 (THPGV-5).
- Optimized the formulation using a combination of carbomer and CMC-Na as gelling agents through the Simplex Lattice Design (SLD) method.
- Performed laboratory work including serum preparation, physical characterization (pH, viscosity, spreadability, adhesiveness), and stability evaluation using the cycling test method.
- Analyzed formulation data using Design Expert 13 to determine the optimum composition of gelling agents.
- Evaluated antioxidant activity of the formulated serum using the DPPH method to determine IC₅₀ value.

Puskesmas Pejawaran - Banjarnegara, Indonesia

Jul-Aug 2025

Apothecary Assistant Interns

- Helped the Apothecary to provide pharmaceutical care for 50+ customers a day and support the dispensing process by preparing and delivering medication to patients

Mentoring Freelance - Yogyakarta, Indonesia

Jun 2025

Tutor Pharmacology Experimental Technology

- Provided individual and group tutoring for 75 students, covering theoretical materials, rodent handling techniques, and practical training on mouse

Mentoring KMMF- Yogyakarta, Indonesia

Dec 2024

Tutor Organic Chemistry I

- Collaborated with LDF KMMF UGM to held pharmacy learning classes and successfully teaching 80+ offline

Universitas Gadjah Mada - Yogyakarta, Indonesia

Jun 2025

*Laboratory Assistant of Pharmacognosy and Phytochemistry**Laboratory Assistant of Dispensing Pharmacy**Laboratory Assistant of Biopharmaceutics**Laboratory Assistant of Quality Assurance and Medical Device**Laboratory Assistant of Liquid and Semisolid Dosage Form Technology**Laboratory Assistant of Pharmacology Experimental II**Laboratory Assistant of Pharmacology Experimental I**Laboratory Assistant of Biochemistry**Laboratory Assistant of Organic Chemistry**Laboratory Assistant of Pharmaceutical II*

- Assisted practical learning for 250+ students by supporting laboratory activities across multiple disciplines, including pharmacognosy, biopharmaceutics, pharmaceutical technology,

ORGANIZATIONAL EXPERIENCES

KKN-PPM Periode II 2025 - Pejawaran, Indonesia

Oct 2024 - Aug 2025

Head of Medical and Health Cluster KKN-PPM UGM Pijar Pejawaran 2025

- Led a five-member Medika team by overseeing work-program planning, monitoring project completion, and guiding the preparation of program reports to ensure effective execution and accountability.

Member of Sponsorship & Fundraising Division KKN-PPM UGM Pijar Pejawaran 2025

- Assisted the sponsorship team in drafting proposals, coordinating sponsor needs, and successfully securing 7 financial sponsors to support program implementation.

BEM KM FARMASI UGM - Yogyakarta, Indonesia

Feb 2023 - Dec 2024

Staff of Social Community Departement

- Assisted community service initiatives by strengthening partnerships with local villages and collaborating with PMI and RSA to organize blood donation programs.
- Led PEACE (Pharmacy Education and Care) program as Person in Charge (PIC) by coordinating fundraising activities and allocating educational support funds to foster children for their schooling needs.

SKILLS, ACHIEVEMENTS & OTHER EXPERIENCE

- **Hard Skills** (2026): SPSS, Design Expert 13, WINSAM, canva, and microsoft office.
- **Soft Skills:** Analytical thinking, attention to detail, good teamwork, professional
- **Modules Taken** (2025) : Antimicrobial Resistance Control Program held by the Faculty of Medicine, Public Health, and Nursing Gadjah Mada University
- **Achievements (2024):** [National] **1st Place** in Pendikar Essay Competition held by Institut Pertanian Bogor (2024)
- **Achievements (2024):** [National] **2nd Place** in Pharmacito Drug Innovation Research held by Universitas Muhammadiyah Yogyakarta (2024)
- **Achievements (2025):** [National] **2nd Place** in Essay Competition held by STIKSAM (2025)