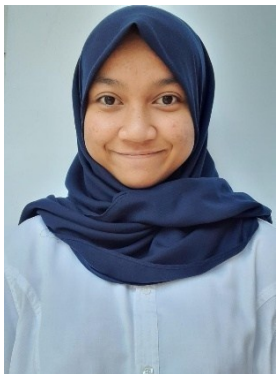


Bunga Amarilis

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SUMMARY

Pharmacy Profession Candidate with a Bachelor of Pharmacy background and hands-on laboratory experience in TLC, UV-Vis spectrophotometry, PCR, agarose gel electrophoresis, DNA extraction, herbal standardization, and laboratory troubleshooting. Interested in pharmaceutical industry work and eager to further develop knowledge in cGMP/CPOB implementation, quality documentation, stability studies, and product quality improvement. Detail-oriented, organized, and adaptable in laboratory and documentation-based workflows.

EDUCATION

Padjajaran University
Pharmacy Profession Program 3.86/4.00 **2025 – 2026**
Padjajaran University
Bachelor of Pharmacy. GPA: 3.62/4.00 **2021 – 2025**

EXPERIENCE

- Pharmacy Professional Intern (PKPA) – PT Kalbe Farma Tbk** *January – February 2026*
 - Developed a stability testing database using Microsoft Excel based on Analytical Testing Procedure documents, covering product name, product code, analytical method, testing parameters, instruments, and special testing conditions.
 - Identified critical stability testing requirements, including sample solution stability, immediate analysis requirements, and light-sensitive sample handling.
 - Gained exposure to GMP/CPOB-based pharmaceutical quality systems, including QbD, QRM, qualification and validation, PQR, CSV, change control, and ALCOA+ documentation principles.
 - Gained a general overview of pharmaceutical manufacturing operations and GMP/CPOB-based quality system implementation at PT Kalbe Farma Tbk, including production, quality control, documentation, stability study, material handling, and product distribution.
- Laboratory Assistant: Clinical Pharmacy Practice; Biotechnology Pharmacy Practice; Biomedical and Forensic Practice; Drug Quality Control Practice** *February – July 2025*
 - Prepared reagents, samples, media, and laboratory materials; supported troubleshooting during practical sessions; and reviewed student laboratory reports and logbooks.
- Research Co-Assistant – Pharmacogenetics Study on Azathioprine-Induced Leukopenia in SLE Patients** *July 2024 – April 2025*
 - Extracted DNA from Systemic Lupus Erythematosus (SLE) patient.
 - Amplified DNA using PCR and visualized using gel electrophoresis.
 - Troubleshoot gel electrophoresis error including gel concentration, running time, voltage, and well loading.
- Analyst for Standardization of Mint and Calincing for Indonesia Herbal Pharmacopeia** *January 2024 – November 2024*
 - Coordinated method selection with supervising lecturer for each standardization parameter.
 - Analyzed standardization parameters of Mint and Calincing for the Indonesian Herbal Pharmacopoeia.
 - Organized logbook, analysis schedule, and report.
- Laboratory Assistant: Sterile Formulation and Preparation Practice; Biochemistry and biomolecular practice** *August 2024 – December 2024*
 - Prepared reagents, samples, media, and laboratory materials; supported troubleshooting during practical sessions; and reviewed student laboratory reports and logbooks.
- Laboratory Assistant: Microbiology Pharmacy Practice; Analytical Pharmacy Practice; Basic Pharmaceutical Practice** *August 2022 – December 2023*
 - Prepared reagents, samples, media, and laboratory materials; supported troubleshooting during practical sessions; and reviewed student laboratory reports and logbooks.

PUBLICATION

- A Comprehensive Review: Mesoporous Silica Nanoparticles Greatly Improve Pharmacological Effectiveness of Phytoconstituent in Plant Extracts**
Co-author | 2024
- Innovative Approaches to Enhancing Formulations and Skin Care Efficacy Through Mesoporous Silica Advancements**
Co-author | 2025

ORGANIZATION	
Financial Department of BEM Kemafar Unpad Staff	February 2022 – January 2023
PROJECT	
Research of “Analysis of HLA-DRB1 rs9271366 Gene Polymorphism as A Risk Factor of Systemic Lupus Erythematosus” (undergraduate thesis)	August 2024 – June 2025
- Extracted DNA from SLE patient. - Designed primer, optimized primer annealing condition, optimized DNA amplification condition, amplified DNA using PCR, confirmed primer annealing temperature using real time PCR. - Identified gene polymorphism using Restriction Fragment Length Polymorphism (RFLP) method confirmed through Sanger sequencing and analyzed using Hardy-Weinberg equation. - Visualized PCR and RFLP results using gel electrophoresis. - Troubleshoot error related with conventional PCR, primer design, RFLP method, and Sanger sequencing result.	
Synthesis of Hard Capsule Shell from Sorghum Starch as an Alternative of Gelatin	February 2023 – August 2023
- Analyzed starch concentration from Sorghum using UV-Vis spectrophotometer and external standard method. - Formulated hard capsule shell from Sorghum Starch.	
EVENT	
Speaker in “School of Mawapres 2025: Grow, Achieve, Inspire” Faculty of Pharmacy Padjadjaran University	September 2025
Delivered a session on summarizing creative ideas in English and improving English skills for Mawapres selection.	
Speaker in “Kelas Pelatihan Ksatria 2025: Empowerment Through Competition” Faculty of Pharmacy Padjadjaran University	May 2025 – June 2025 (3 times)
Delivered training sessions on pharmaceutical olympiad preparation, lesson review, and case study discussion.	
Vice Head of Registration Division Pharmacopeia 2023	August 2023 – November 2023
Treasurer of Hayu Mengajar	August 2023 – November 2023
Head of Design Division of “Gathering Sareng Masyarakat”	July 2022 – September 2022
Treasurer of Hari Keakraban	February 2022 – May 2022
ACHIEVEMENT	
Mawapres of Faculty of Pharmacy Padjadjaran University	2024
Finalist Research and Development Competition Pharmacopeia 2024	2024
Finalist of 5 Minutes Presentation Pharmacious 2024	2024
Gold Medalist of Pharmaceutical Olympiad Pharmacopeia 2023	2023
SKILL	
Laboratory Techniques	
- TLC fingerprinting, mobile phase optimization, and UV visualization - UV-Vis spectrophotometry, calibration curve analysis, and dilution calculation - Sample preparation, reagent preparation, titration, and laboratory troubleshooting - DNA extraction, PCR optimization, primer design, and agarose gel electrophoresis - Gel documentation and electrophoresis result interpretation	
Tools & Instruments	
- UV-Vis spectrophotometer, UV lamp 254/366 nm, TLC plates, and developing chamber - Micropipette, vortex, titration glassware, and standard wet-lab equipment - Thermal cycler, agarose gel electrophoresis system, centrifuge, autoclave, and thermal block	
Pharmaceutical Quality & Documentation	
- GMP/CPOB awareness and GLP mindset - Stability testing documentation - OOS documentation exposure and basic understanding of OOS investigation workflow - SOP compliance, labeling accuracy, logbook review, and laboratory report review	
Soft Skills	
- Attention to detail - Organization and time management - Laboratory troubleshooting - Communication and coaching - Collaboration and adaptability	