

TRIANA ARUM KUSUMANINGTYAS

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Magelang, Jawa Tengah

PROFILE

A highly motivated and detail-oriented pharmacist with experience in pharmaceutical and cosmetic research, product development, and regulatory compliance. Passionate about developing innovative, high-quality healthcare and personal care products through scientific research and evidence-based formulation. Recognized as a fast learner, adaptable professional, and collaborative team player with strong analytical and problem-solving skills. Committed to continuous learning and contributing to the advancement of the pharmaceutical and cosmetic industries through innovation, quality, and regulatory excellence.

EDUCATION

- Muhammadiyah University of Yogyakarta | Yogyakarta, Indonesia
Professional Pharmacist Program (Apothecary), GPA: 4.00/4.00
July 2024 – Aug 2025
- Best Graduate of the Professional Pharmacist Program, graduating with the highest cumulative GPA.
- Muhammadiyah University of Yogyakarta | Yogyakarta, Indonesia
Bachelor of pharmacy, GPA: 3.72/4.00
July 2020– Aug 2024
- Completed the bachelor's degree in 3.5 years through the non-thesis graduation pathway.

PROFESSIONAL EXPERIENCE

- Research & Development Specialist and Technical Responsible Person | *Lidah Buaya Group*
Nov 2025 – Present
- Developed and optimized 30++ household and cosmetic product formulations from concept to laboratory scale, including formulation evaluation, stability testing, and performance assessment.
 - Established 30+ technical documents, including SOPs, product specifications, testing protocols, and quality records to strengthen R&D and regulatory compliance.
 - Served as the company's Technical Responsible Person, supporting product registration, regulatory documentation, and technical compliance.
- Research Assitant | *Independent Research Project*
Jan 2024 – Present
- Co-authored 30+ scientific publications and contributed to 10+ intellectual property registrations in pharmaceutical research.
 - Participated in multidisciplinary research projects involving experimental design, laboratory analysis, statistical data processing, and scientific presentations.
- Science Content Creator | *LinkedIn*
May 2026 – Present
- Developed and published evidence-based content on cosmetic science, pharmaceutical research, and product development, achieving 10,000+ engagements and expanding professional outreach within the scientific community.
 - Leveraged science communication and technical writing skills to translate complex R&D, formulation, and regulatory concepts into practical insights for students and industry professionals.
- Site Pharma Tech Internship | *PT. Merck Tbk*
Apr – May 2025
- Provided technical support for validation, equipment qualification, and process documentation in compliance with cGMP.
 - Assisted in stability studies, report preparation, and SOP review and collaborated with teams in qualification & validation, packaging development, and analytical development projects.
- Clinical Pharmacy Internship | *RS Muhammadiyah PKU Gamping*
Des 2024 – Jan 2025
- Supported pharmaceutical care for 300+ patients through inpatient pharmacy services, clinical pharmacy activities, and sterile/non-sterile compounding.
- Clinical Pharmacy Internship | *Puskesmas Pundong*
Okt – Nov 2025
- Supported pharmaceutical services for 100+ patients through medication dispensing, patient counseling, and drug information services in a primary healthcare setting.
- Clinical Pharmacy Internship | *Apotek Pharm24 Godean*
Sept – Okt 2025
- Delivered patient-centered pharmaceutical care to 100+ patients through prescription dispensing, medication counseling, and over-the-counter (OTC) consultation.
- Management Pharmacy Internship | *PT. Sapta Sari Tama*
Feb 2025
- Supported pharmaceutical distribution activities by processing and preparing 100+ invoices, orders, and distribution records in compliance with Good Distribution Practice (GDP).

RESEARCH PORTFOLIO

- Pharmaceutical Technology& Drug Discovery Research
- Contribution
 - Successfully contributed to 5+ pharmaceutical technology research projects, resulting in 5 peer-reviewed publications, 3 registered Intellectual Property Rights (IPRs), and expertise in drug discovery, nanoformulation development,

molecular docking, bioinformatics, in vitro evaluation, and scientific publication

- Relevant Topics

- Nano Drug Delivery Systems • Formulation • Natural Product Research • Molecular Docking • Bioinformatics • In Vitro Assays • Cancer Pharmacology • Scientific Writing

- Research Outputs

- Anti-Lung Cancer and Cell Migration Inhibition Properties of Ethyl Acetate Extract of *Selaginella doederleinii* Towards HTB-183 Cells through In Silico and In Vitro Approach. *Indonesian Journal of Cancer Chemoprevention* (2024)
- In Silico and In Vitro Study *Selaginella doederleinii* Herb Extract as An Antineoplastic on MCF-7 Cells and Formulation Development of Nano Effervescent Granule. *Indonesian Journal of Cancer Chemoprevention* (2023).
- Bioinformatics and Molecular Docking Study of Amentoflavone and 3, 8 Biapigenin as Inhibitors on Cervical Cancer Proteins. *Indonesian Journal of Cancer Chemoprevention* (2023).
- Scientific Research: "Potential of Nanoparticles of Ethanol Extract of *Selaginella doederleinii* H.as WiDr Colon Cancer Chemopreventive and Syrup Formulation." (2023).
- Investigation of Moringa Leaf Compounds as Colon Anticancer Agents Using Bioinformatics and Molecular Docking Methods. In *Proceedings University of Muhammadiyah Yogyakarta Undergraduate Conference* (2022).
- Research Proposal "Potensi Sediaan Nanosirup Ekstrak Etanol Rumput Mutiara (*Hedyotis corymbosa* L.) sebagai Agen Antineoplastik melalui Penghambatan Protein Sel Kanker Kolon WiDr." (2023).
- Intellectual Property Rights– Research Proposal "Inovasi Serbuk Minuman Penyegar Berbentuk Granul Effervescent Nano Ekstrak Etanol Tanaman Cakar Ayam (*Selaginella doederleinii*) sebagai Antineoplasik pada Sel MCF7." (2023).
- Intellectual Property Rights– Research Proposal "Eksplorasi Aktivitas Senyawa Asiaticoside dan Amentoflavone sebagai Antikanker Serviks HeLa dan Anticovid Bertarget Spike Protein Omicron" (2023).

Clinical Pharmacy Research

- Contribution

- Successfully contributed to 4 clinical pharmacy research projects, resulting in peer-reviewed publications, a published monograph, and a registered Intellectual Property Right (IPR) while developing expertise in quality of life assessment, patient-reported outcomes, observational studies, biostatistics, and evidence-based pharmacy practice.

- Relevant Topics

- Quality of Life Assessment • Clinical Research • Patient-Reported Outcomes • Biostatistics • Healthcare Outcome Research • Evidence-Based Pharmacy

- Research Outputs

- Hubungan Tingkat Pengetahuan dengan Perilaku Swamedikasi tentang Acne Vulgaris pada Mahasiswa Universitas Muhammadiyah Yogyakarta. *Jurnal Farmasi, Kesehatan, Dan Sains* (2026).
- Assessment of the Quality of Life of Family Caregivers of Hemodialysis Patients with Chronic Kidney Disease. *Jurnal Farmasi Sains dan Komunitas* (2026).
- Monograph Book : Kualitas Hidup Entrepreneur di Masa Pandemi COVID-19 (2026).
- Research: Observative Research on Bedah Menoreh, Yogyakarta Special Region Health Office (2022).
- Sosialisasi Penyakit Tidak Menular Berdasarkan Pola Hidup Masyarakat Padukuhan Munggur Lor Kulon Progo. In *Prosiding Seminar Nasional Program Pengabdian Masyarakat*. (2023).
- Intellectual Property Rights – Scientific Poster "Cantik Berseri Jauhi Merkuri" (2023).

Pharmacy Management & Pharmacoeconomics

- Contribution

- Successfully completed pharmacy management research projects, resulting in peer-reviewed publications while developing expertise in pharmacoeconomic evaluation, healthcare cost analysis, public health pharmacy, health outcomes research, and evidence-based healthcare decision-making.

- Relevant Topics

- Pharmacoeconomics • Health Economics • Cost Analysis • Public Health Pharmacy • Community Pharmacy • Health Promotion

- Research Outputs

- Cost Analysis of Inpatient Stroke Treatment at Panembahan Senapati Bantul Regional General Hospital Based on INA-CBG's tariff in 2023. *Pharmakon: Jurnal Farmasi Indonesia* (2025).

ACHIEVEMENTS

- Earned 20+ academic and scientific awards across international, national, and university-level competitions, demonstrating excellence in pharmaceutical research, innovation, scientific writing, and academic achievement.
- Received 8 First Place, 6 Second Place, and 6 Third Place awards in scientific paper, research proposal, pharmacy olympiad, essay, innovation, and educational media competitions.
- Recognized as an international presenter and speaker, presenting research findings and participating in global academic exchange programs.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Completed 20+ specialized training programs in cosmetic science, product development, quality systems, regulatory affairs, and formulation technologies to strengthen expertise in cosmetic research and development.

ORGANIZATION & COMMITTEE EXPERIENCE

UMY Anticancer Research Team | Universitas Muhammadiyah Yogyakarta

Researcher | 2021 – Present

- Contributed to 5+ multidisciplinary cancer research projects involving drug discovery, cell culture, molecular docking, bioinformatics, and pharmaceutical formulation, resulting in peer-reviewed publications and intellectual property registrations.

Outstanding Student Community (KOMAPRES) | Universitas Muhammadiyah Yogyakarta

Member | 2023 – 2024

- Supported the development and implementation of programs to foster academic excellence, leadership, and achievement among outstanding students.

Pharmacy Islamic Student Club (PISC) | Universitas Muhammadiyah Yogyakarta

Editor | 2020 – 2023

- Developed and edited educational pharmacy materials to support student learning and knowledge dissemination.

Islamic Research Pharmacy Club (IRPC) | Universitas Muhammadiyah Yogyakarta

Coordinator, Internal & Cadre Division | 2021 – 2022

- Led member recruitment, onboarding, and internal development programs while coordinating cross-divisional activities to strengthen organizational performance.

International Pharmacy Summer School (IPSS UMY) | Universitas Muhammadiyah Yogyakarta

Liaison Officer | 2021

- Coordinated communication and logistics for international speakers and stakeholders, ensuring smooth event execution.

UMY Switch Off | Universitas Muhammadiyah Yogyakarta

Committee Member | 2021

- Supported event planning, participant coordination, and operational logistics to facilitate successful program implementation.

SKILLS

- **Technical Skills** : Cosmetic & Pharmaceutical Formulation Development, Research & Development (R&D), Laboratory Techniques (In Silico, In Vitro, & Basic In Vivo), Cell Culture & Drug Screening, Stability Study & Product Evaluation, Pharmaceutical Analysis, Regulatory Documentation & Technical Writing, and Quality Management Systems (GMP, cGMP, GDP, GLP Awareness)
- **Research & Analytical Skills** : Project Management, Leadership, Communication, Adaptability, Time Management, Critical Thinking
- **Software** : Microsoft Office (Word, Excel, PowerPoint), SPSS, Autodock, ChemDraw, STITCH-STRING, Mendeley, Canva.
- **Languages** :
 - **Indonesian**: Native Proficiency
 - **English**: Professional Working Proficiency

