

# Kristania Atrix

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Pharmacist Professional Program candidate at the University of Indonesia with hands-on experience in analytical method development and optimisation, method validation, laboratory testing, and experimental data analysis. Experienced in pharmaceutical research using UHPLC-MS/MS, supported by Quality Control experience in finished product, stability, and microbiological testing. Familiar with a broad range of analytical instruments, pharmacopeial references, and GMP requirements, with strong analytical thinking, problem-solving, and attention to detail.

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## Education

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**Pharmacist Professional Program, University of Indonesia** **2025 – 2026**

GPA: 3.95/4.00 | UKOMNAS-PDPA Score: 92.50/100 (*Top 2 in cohort*) | Graduation pending

Relevant Courses: GMP, quality management, pharmacy regulation

**Bachelor of Pharmacy, University of Indonesia** **2021 – 2025**

GPA: 3.71/4.00 (*Ranked 9<sup>th</sup> in cohort*)

Relevant Courses: pharmaceutical analysis, pharmaceutical chemistry

**Chemical Analyst, SMK – SMAK Bogor** **2016 – 2020**

Relevant Courses: analytical chemistry, instrumental analysis

## Research Experience

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**Undergraduate Research (2025):** *Development and Validation of an LC-MS/MS Bioanalytical Method for Topiramate Quantification Using Volumetric Absorptive Microsampling (VAMS)*

- Developed and optimised an UHPLC-MS/MS analytical method through systematic evaluation of chromatographic conditions, mass spectrometric parameters, and sample preparation procedures
- Conducted analytical method validation by evaluating calibration curve performance, accuracy, precision, matrix effect, recovery, and stability in accordance with bioanalytical method validation requirements
- Analysed experimental data and troubleshoot analytical performance during method optimisation, adjusting analytical conditions to improve method performance and reliability

## Selected Professional Experience

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### PT Kalbe Farma

*Quality Control Intern (Stability)*

**November 2019 – February 2020**

- Conducted physical and chemical quality testing of finished pharmaceutical products and stability samples using UV-Vis spectrophotometry and autotitrator, following established laboratory procedures and quality requirements

### PT Saraswanti Indo Genetech

*Quality Control Intern (Microbiology)*

**October 2020 – December 2020**

- Performed microbiological quality testing, including coliform and *E. coli* testing, in accordance with established laboratory procedures and quality requirements.

### PT Kalbio Global Medika

*Pharmacist Intern*

**November – December 2025**

- Supported GMP compliance through CAPA and internal audit documentation management, including organising and maintaining quality-related records
- Conducted gap analysis between EU GMP requirements and company SOPs, reviewing documentation to identify areas for alignment and improvement

## RSUP Persahabatan

Pharmacist Intern

March – April 2026

- Conducted clinical case analysis with pharmacists, reviewing patient symptoms, laboratory results, and medication therapy to identify potential drug-related problems and develop evidence-based recommendations
- Analysed clinical information and participated in regular case discussions, strengthening analytical thinking and evidence-based problem solving

## Awards and Additional Experiences

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### Awards

- **5<sup>th</sup> International Conference on Pharmaceutical Sciences and Military Pharmacy** (2025): Best Oral Presentation Award, Pharmaceutical Chemistry Session
- **Olimpiade Ilmiah Mahasiswa FF UI** (2022): 1<sup>st</sup> Place, Critical Thinking Essay Competition

### Additional experiences

- **Laboratory Assistant** (2025): Explained gas chromatography principles and instrument operation to undergraduate pharmacy students
- **Speaker** (2024-2025): Delivered educational sessions for university students and community service volunteers, developing session materials and facilitating interactive discussions and Q&A

## Selected Leadership Experience

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### Gerakan Universitas Indonesia Mengajar

Staff of Educational Development GUIM 12 in Nganjuk, East Java

2022

Director of Educational Development GUIM 13 in Pesawaran, Lampung

2023

Project Officer GUIM 14 in Blora, Central Java

2024

- Progressed through three leadership roles in community education programs, culminating in coordinating a 103-member volunteer team across 6 schools and overseeing programme implementation, timelines, and field challenges
- Coordinated programme planning and execution across multiple teams, strengthening communication, problem-solving, and adaptability in dynamic field settings

## Academic Laboratory Experience

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- Conducted pharmaceutical formulation and analytical testing practicals involving tablets, creams, and suspensions, including sample preparation and evaluation of physicochemical characteristics
- Performed assay, dissolution, and impurities-related analytical testing using pharmacopeial procedures, with practical exposure to analytical method verification and validation parameters
- Gained hands-on experience with HPLC, GC, UV-Vis spectrophotometer, AAS, FTIR, Karl Fischer, dissolution tester, autotitrator, and others through laboratory coursework and research

## Skills

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### Analytical Development & Validation

Analytical Method Development & Optimisation | Analytical Method Trials | Method Validation | Method Verification | Analytical Testing | Sample Preparation | Analytical Data Analysis | Analytical Troubleshooting | Stability Testing | Accuracy & Precision Evaluation | Recovery & Matrix Effect Evaluation | Dissolution Testing

### Analytical Instruments

UHPLC-MS/MS | HPLC | GC | UV-Vis Spectrophotometer | AAS | Dissolution Tester | Autotitrator | FTIR | Karl Fischer

### Quality & Regulatory

Pharmacopeial References (FI, USP, BP) | ICH & EMA Guidelines | Analytical Specifications | GMP & Quality Systems | Scientific Documentation | Literature Review

### Software

Microsoft Excel | Microsoft Word | Microsoft PowerPoint