



Master of Forensic Science graduate from Universitas Airlangga with a Bachelor's degree in Chemistry (Analytical Chemistry concentration) from Universitas Udayana. Possesses strong laboratory analytical skills with experience in sample preparation, quality testing, instrumental analysis, and scientific reporting. Experienced in operating analytical instruments including AAS, GC-MS, and UV-Vis Spectrophotometer for chemical and toxicological analysis. Familiar with laboratory SOP, quality control procedures, data validation, and laboratory safety standards. Demonstrates strong attention to detail, analytical thinking, and the ability to work systematically in laboratory and production-support environments. Interested in laboratory quality control, material testing, and analytical testing for industrial applications.

INTERNSHIP & RESEARCH EXPERIENCE

Research at Kawasan Sains Kurnaen Sumadiharga, Badan Riset dan Inovasi Nasional (BRIN)

July 2025 – August 2025

- Conducted laboratory research on cadmium (Cd) toxicity analysis using fish models.
- Performed sample preparation, laboratory testing, and analytical data interpretation.
- Applied analytical procedures while maintaining laboratory safety and SOP compliance.
- Prepared and documented research results systematically.

Internship at BIDLABFOR POLDA BALI

July 2024 – August 2024

- Conducted chemical and toxicological analysis of biological samples using GC-MS.
- Performed sample preparation and laboratory testing according to established procedures.
- Recorded and analyzed laboratory test results accurately.
- Maintained compliance with laboratory SOP and safety procedures.

Field Work Practice at Balai Besar POM di Denpasar

September 2022 – October 2022

- Conducted quality analysis of cosmetics and traditional medicine products.
- Operated analytical instruments including HPLC and GC-MS for chemical analysis.
- Performed laboratory sample preparation, testing, and reporting.
- Ensured laboratory work complied with quality control procedures and laboratory safety standards.

Teaching Assistant – Applied Analytical Chemistry Course

February 2022 – June 2022

- Operated AAS and UV-Vis instruments for analytical chemistry practicum.
- Assisted students in laboratory analysis, sample preparation, and data interpretation.
- Conducted quality testing of products based on Indonesian National Standard (SNI).
- Maintained laboratory equipment and supported laboratory safety implementation.

EDUCATION

Master of Forensic Science, Universitas Airlangga

February 2024 – February 2026

- GPA: 3.97/4.00
- Relevant coursework: Toxicology Analysis; Drugs of Abuse and Doping; Forensic Toxicology; Sample Preparation Techniques and Instrumentation; Analytical Method Validation and Microanalysis

Bachelor of Chemistry, Universitas Udayana

August 2019 – June 2023

- GPA: 3.55/4.00
- Relevant coursework: Instrumental Chemical Analysis; Environmental Chemistry; Food Chemical Analysis; Chemical Toxicology; Medicinal and Clinical Chemistry; Applied Analytical Chemistry; Forensic Chemistry
- Head of Entrepreneurship Division, Student Executive Board of Faculty of Mathematics and Natural Sciences (BEM FMIPA), 2021

- Treasurer, Balinese Literature Organization, 2017/2018

ORGANIZATIONAL EXPERIENCE

Head of Entrepreneurship Division, Student Executive Board of FMIPA

December 2020 – December 2021

- Organized entrepreneurship programs as a source of organizational revenue
- Facilitated students in developing entrepreneurial interests and business initiatives

Student Welfare Division Member, HIMAKI Universitas Udayana

December 2019 – December 2020

- Responsible for supporting the needs and welfare of chemistry students
- Organized fundraising activities to support organizational programs
- Facilitated students in developing entrepreneurial skills and initiatives

Creative Economy Coordinator, Grand Closing BEM PM Universitas Udayana

October 2020 – December 2020

- Responsible for securing funding for the Grand Closing "Reparasi Cita" event of BEM PM Universitas Udayana
- Organized online fundraising activities during the pandemic period

PUBLICATION

Pratama, M. A. P. (2025). Detection of chemical drug adulterants in herbal supplements: A GC-MS identification of paracetamol, prednisone, and prednisolone. *Asian Journal of Toxicology, Environmental, and Occupational Health*, 3(1), 69-85. <https://doi.org/10.61511/ajteoh.v3i1.2025.1991>.

Pratama, M. A. P., Sandhi, D. V., Kristianto, S., & Pratiwi, A. (2025). Forensic Toxicology Analysis of MDMA (Methylenedioxymethamphetamine): A Systematic Literature Review. *Florea: Jurnal Biologi dan Pembelajarannya*, 12(1), 48-50. <https://doi.org/10.25273/florea.v12i1.21274>.

Pratama, M. A. P., Sudiarta, I. W., & Suaniti, N. M. (2025). Kandungan Logam Pb dalam Daging Buah Alpokat dan Bioavailabilitasnya dalam Tanah Perkebunan di Daerah Taro, Tegallalang. *Jurnal Kimia (Journal of Chemistry)*, 19(1), 50-55. <https://doi.org/10.24843/JCHEM.2025.v19.i01.p06>.

SKILLS

Hard Skills: Proficient in operating analytical instruments including Atomic Absorption Spectrophotometry (AAS), Gas Chromatography–Mass Spectrometry (GC-MS), and UV-Visible Spectrophotometry (UV-Vis) for laboratory analysis and chemical testing. Experienced in sample preparation, laboratory testing procedures, analytical data interpretation, and result validation. Familiar with quality control and quality assurance procedures, laboratory documentation and reporting, SOP implementation, and laboratory safety compliance. Capable of using Microsoft Office applications, especially Excel, Word, and PowerPoint, for data processing and reporting purposes.

Soft Skills: Detail-oriented and analytical individual with strong problem-solving abilities and the capability to work systematically under SOP and laboratory safety regulations. Possesses good teamwork and communication skills, adaptable to dynamic working environments, and willing to continuously learn and develop technical competencies. Able to maintain accuracy and consistency while handling laboratory data, testing activities, and reporting tasks.

Training: in 2026, Food Safety (GMP, HACCP, ISO 22000:2018, FSSC 22000 Version 6.0)