



Kharisma Cipta Lintangmukti

kharismacpt@gmail.com | 081249806400

Freshly graduated Bachelor of Science from Universitas Airlangga with a strong interest on laboratory work and research. Experienced in microbiological testing and histological analysis. Proven ability to manage laboratory activities and contribute to scientific projects, supported by leadership experience in academic organizations and national-scale events. Possesses strong analytical, communication, and collaborative skills.

EDUCATION

S1 Biology, Airlangga University

Aug 2022 - Feb 2026

GPA: 3.56/4.00 (152 credits)

Undergraduate Thesis: Hepatoprotective Potential Analysis of Butterfly Pea (*Clitoria ternatea*) Flower Ethanol Extract on Polystyrene Nanoplastic Exposed Rats (*Rattus norvegicus*)

WORK EXPERIENCE

Research Assistant, Airlangga University

Aug 2024 - Jan 2026

- Performed **flower extraction**, molecular analysis such as **DPPH** and **ELISA**, also tissue **histology analysis** and **statistic analysis**, contributing to research on the Anti-Inflammatory and Immunomodulatory Properties of Butterfly Pea (*Clitoria ternatea* L.) in Rats Exposed to Oral Polystyrene Nanoplastics led by Manikya Pramudya, S.Si., M.Si.

Teaching Assistant, Practical Work of Animal Physiology

May 2025 - Oct 2025

- Mentored 17 students through hands on procedures of **mice handling, treatment steps (oral gavage and vaginal fluid sampling)**, blood type, pressure, and glucose testing, improving their practical understanding and performance through Q&A sessions and constructive criticism
- Ensured class goes smoothly by partaking in dissection, sample, and equipment preparation
- Responsible on **grading** and evaluating students lab reports, exams, and final grade

Teaching Assistant, Practical Work of Bioinformatics

May 2025 - Oct 2025

- Guided 12 students navigating various bioinformatics process and software, including, but not limited to **DNA barcoding, primer design, and molecular docking**, improving their practical understanding and performance through Q&A sessions and constructive criticism
- Designed simple question as a pretest for students
- Responsible on grading and evaluating students lab reports, exams, and final grade

Teaching Assistant, Practical Work of Vertebrate Embryology

May 2025 - Oct 2025

- Mentored 12 students through **developmental stages of multiple vertebrae fetus**, including chicken, frog, and rodents. Demonstrated steps of **fetus extraction** on guinea pigs. improving their practical understanding and performance through Q&A sessions and constructive criticism
- Ensured class goes smoothly by partaking in dissection, sample, and equipment preparation
- Responsible on grading and **evaluating students lab reports, exams, and final grade**

Laboratory Staff Intern, Laboratorium Kesehatan Daerah Surabaya

Oct 2024-Jan 2025

- Conducted 80+ **pathogens detection** on water, food, and kitchen utilities samples using various methods, such as membrane filter, Most Probable Number (MPN), Total Plate Count (TPC), and microbe identification through physiological analysis
- Performed 30+ **gut health sampling** by rectal swab and analyzed said sample by physiological analysis to detect *Salmonella sp.*
- Handled and performed *Mycobacterium tuberculosis* detection using **real-time PCR** to the phlegm sample of TBC suspect patients
- Participate in **PROLANIS**, a routine health checkup for diabetic and high blood pressure elders done as part of community service

SKILL KEY POINTS

Laboratory: MPN, TPC, Rectal Swab, Animal Treatment, Rodents Dissection, Histology Microtechniques, Real-Time PCR, ELISA, DPPH, DNA Barcoding, Primer & Vector Design, Molecular Docking

Software: Microsoft Office, SPSS, BLAST, PyMOL, PyRx, MEGA, Swiss-Model.

Soft Skills: Collaborative Leadership, Mentoring, Communication, Scientific Writing

ORGANIZATIONAL EXPERIENCE

International Conference of Bioscience, Biodiversity, and Biotechnology **Aug 2025 - Oct 2025**

Secretariat Staff

- Collaborated with a team of 9 people responsible for handling letters and communications of an international biology conference held in Universitas Airlangga
- Made and designed an abstract book that covers a total of 140 speakers of the conference
- Acted as a liaison between the board of committees and 18 speakers of the conference
- Partake in documenting the events

Biology Environmental Smart Competition 2024

April 2024 - Nov 2024

Committee Chairman

- Directed and managed 70 people in 12 division on concept, preparation, and execution of a nation-wide biology olympiad and essay competition targeted on middle and high-schoolers
- Maintained a collaborative environment between committees, university, and third party vendors
- Achieved a total of 643 teams competing in olympiad and 39 teams competing in essay competition
- Facilitated finalist with free stay accommodation and transport in Surabaya
- Stages of competition was done throughout 15/10/2024-9/11/2024 with 100% success rate

Biology UNAIR Student Council (Himpunan Mahasiswa Biologi UNAIR)

Feb 2024 - Feb 2025

Head of Social & Creative Departement

- Managed a team of 5 highly competent people responsible for student council's visual theme and branding on social media
- Created a safe, healthy, and comfortable environment for the team to work together with routine bonding session
- Successfully ran and implemented 6 programs throughout a year of appointed terms with an average success rate of 90,12%

ACHIEVEMENTS

- **2nd place – Microbe Infographic Challenge for Responsible and Outstanding Bio-Education, Institut Teknologi Bandung.(2025)**

Title NICOREM: Konsorsium Bakteri sebagai Agen Bioremediasi Air Limbah Tambang Nikel dengan Metode Membran Bioreaktor

- **1st Best Research Group – Pelatihan dan Pengembangan Penelitian Lapangan, Universitas Airlangga (2023)**

Title Keanekaragaman dan Dominansi Sub Ordo Rhopalocera di Jalur Resort-Perkebunan Kawasan Taman Nasional Meru Betiri