

# RAHMALIA RISFA IZZATI

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## SUMMARY

Bachelor of Biochemistry graduate from IPB University with strong research and analytical skills. Experienced in laboratory techniques, data interpretation, and scientific writing. Passionate about supporting research, quality control, and testing activities in professional laboratory environments.

## ACTIVITIES

### CREBS IPB UNIVERSITY – Bogor, Indonesia

Staff Crebs and Action (CoA) Departmental Student Association of Biochemistry (January 2024 – December 2024)

- Led the 2024 PPK Ormawa “Healthy Village” program focused on medicinal plant utilization
- Coordinated a team of 8 members in community empowerment activities

### LKIP IPB UNIVERSITY – Bogor, Indonesia

Head of Events at Lomba Karya Ilmiah Populer (LKIP) IPB University (April 2024 – November 2024)

- Organized a national level scientific competition involving 90 participants from 30 schools
- Managed event concepts, technical preparation, and program execution

### Balai Besar Perikanan Budidaya Air Tawar (BBPBAT) – Sukabumi, Indonesia

Research Internship (June 2024 – August 2024)

- Conducted physical and chemical water quality analysis from aquaculture regions in Indonesia and performed secondary metabolite analysis of golden melon samples
- This internship provided valuable experience of working in a professional laboratory and strengthened ability to collaborate within a research team.

### Mitra PPKU – Bogor, Indonesia

Biology Teacher (August 2023 – December 2024)

- Taught basic biology courses to 20+ first year IPB University students

### IPB University – Bogor, Indonesia

General Biochemistry Laboratory Assistant (August 2025 – December 2025)

- Supervised undergraduate biochemistry laboratory sessions and guided students in experimental procedures

### IPB University – Bogor, Indonesia

Final Project: Antioxidant capacity and pancreatic lipase inhibition of the combination of java tea (*Orthosiphon aristatus*) and *Camellia sinensis* leaves *in vitro* (October 2025 – January 2026)

- Conducted quantitative analysis of total phenolic and flavonoid contents in *Orthosiphon aristatus* and *Camellia sinensis*
- Evaluated antioxidant capacity using DPPH and FRAP assays, and assessed pancreatic lipase inhibitory activity to explore potential anti-obesity effects

## EDUCATION

### SMAN 3 SUKABUMI (2019 - 2022)

Mathematics and natural science

### IPB UNIVERSITY (2022 - 2026)

Final year of Biochemistry student – GPA 3.80/4.00

## AWARDS AND CERTIFICATION

**2nd Winner** of NEXT-G 2025 Essay Competition held by FMIPA IPB University (2025)

**Good Laboratory Practice (GLP) certification** – Held by Department Food Science and Technology, IPB University (2025)

## SKILLS

- **Laboratory:** Spectrophotometry, titration, enzyme inhibition, sample preparation
- **Software:** Microsoft office (words, excel, powerpoint)
- **Research:** Literature review, data interpretation, scientific writing
- **Soft skills:** Critical thinking, teamwork, problem solving, attention to detail
- **Language:** Indonesian (native) and english (intermediate) languages