



7–8 Semesters
Degree: Bachelor of Science (S.Si.)

UNDERGRADUATE
STUDY PROGRAM

<https://biotek.ubaya.ac.id/>

Faculty of BIOTECHNOLOGY

The Faculty of Biotechnology was founded in 2005 and has earned the public's trust and recognition for quality educational management. The faculty mission is to develop human resources with outstanding character, qualifications, knowledge, and skills in the Biotechnology field.

Three new fields of science developing very rapidly (booming) in the 21st century are Informatics, Nanotechnology, and Biotechnology. The Biotechnology field is very promising to revolutionize human life in a much better direction, from small and big-scale industries in the Biotechnology field, and create a wave of the new economy. Using genetic engineering techniques, humans began to change the characteristics of living things to be more favorable to human interests. It is applied to microorganisms, plants, and animals. Various molecular analyses in Biotechnology also support the application of Biotechnology in health and forensics, crops/agriculture, food, and environment and energy.



In 2019, the Faculty of Biotechnology received **international recognition from AUN-QA**.



Faculty of Biotechnology supports the **Independent Learning Independent Campus Program (MBKM)** by optimizing students' ability to hone soft skills and hard skills.

SCOPE & CURRICULUM

The curriculum at the Ubaya Faculty of Biotechnology is designed to produce graduates with excellent competencies, both in mastering Biotechnology and good in character; thus, it is hoped that graduates will become reliable individuals and ready to apply the knowledge and succeed in facing challenges in the real world.

Seeing the current development and application of Biotechnology, the faculty offers two study programs:

1. Biology Study Program
2. Bionutrition and Food Innovation Speciality Program

Why Choose the Ubaya Faculty of Biotechnology?

1. "A" Accreditation,
2. Internationally certified,
3. The curriculum is balanced between theory and practice and is up-to-date according to the needs of industry,
4. Teaching staff with adequate numbers and superior qualifications of domestic and foreign graduates,
5. Complete, comfortable, and up-to-date laboratory and learning facilities,
6. Offer Master of Biotechnology degree,
7. Availability of various scholarships,
8. Extensive partnerships with domestic and foreign universities,
9. Extensive partnerships with industry,
10. Periodically updating the curriculum that keeps up with the times.



BIOLOGY STUDY PROGRAM

Core Curriculum:

1. Genetic Engineering
2. Analysis and Purification of Bioproducts
3. Forensic Biotechnology
4. Health Molecular Diagnostic Method
5. Tissue Culture and Plant Biotechnology
6. Bioremediation
7. Aquaculture

In the Biology study program, students are facilitated to get enrichment according to the chosen field of interest as follows:

1. Health and Forensic Biotechnology
2. Plant Biotechnology
3. Environmental Biotechnology and Renewable Energy



BIONUTRITION AND FOOD INNOVATION SPECIALITY PROGRAM

Core Curriculum:

1. Evaluation of Food Nutrition
2. Food Processing Technology
3. Human Nutrition & Nutrigenomics
4. Sanitation & Food Safety
5. Food Industry Biotechnology
6. Functional & Nutraceutical Foods
7. Culinary Innovation and Creative Food Product Development

CAREER OPPORTUNITIES

Career opportunities for the Faculty of Biotechnology graduates are extensive. Some major bioindustry supported by government policies has been operating in Indonesia in food and beverage, agriculture, health products, and other sectors. Therefore, the industry needs many graduates in Biotechnology, which will continue to increase in the future.



ALUMNI

FACULTY OF BIOTECHNOLOGY
UNIVERSITY OF SURABAYA



CHRISTINE A.P.

The 2011 academic year alumnus
The 2016 LPDP Scholarship grantee for Master's Degree in Japan



FENNY TANJAYA

The 2007 academic year alumnus
Quality Assurance at ibidi GmbH München, Germany



VINCENSIUS OETAMA

The 2008 academic year alumnus
Researcher at Leibniz Institute for Natural Product Research
and Infection Biology – Hans Knöll Institute (HKI), Germany



YUWONO WIBOWO

The 2008 academic year alumnus
Production Scientist at PT. Kalbio Global Medika, Indonesia



SHINJI SIONEL

The 2008 academic year alumnus
Plant Manager at Kitoshindo International Biotech



INFORMATION

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