



Laboratory of General Biology

The laboratory of General Biology is one of the fundamental teaching laboratories at the Faculty of Biology, Universitas Gadjah Mada, designed to support introductory-level practical courses. This laboratory provides essential facilities, including microscopes, preserved specimens, and a range of basic laboratory equipment required for teaching and learning activities.



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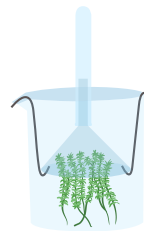
Practical Course



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1. Microscopy and Cell Practicum

Students learn basic microscope use, prepare simple specimens, and observe cell types and organelles to understand cells as the unit of life.



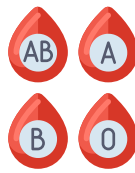
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2. Metabolism Practicum

Students conduct basic experiments to examine enzymatic activity, energy transformation, and metabolic processes essential for sustaining life.

3. Genetics Practicum

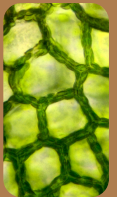
Students perform experiments on inheritance patterns, gene expression, and basic genetic analysis to understand the principles of heredity.



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4. Plant Tissue Practicum

Students prepare and observe plant tissue sections to study cell types, tissue organization, and their roles in plant structure and function.



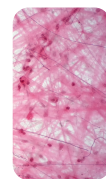
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5. Plant Organ Practicum

Students examine the structure and function of plant organs through dissection and microscopic observation to understand their roles in growth and development.



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6. Animal Tissue Practicum

Students prepare and examine animal tissue samples microscopically to identify cell types, tissue organization, and their physiological functions.

7. Vertebrate Morphology, Organs, and Organ Systems Practicum

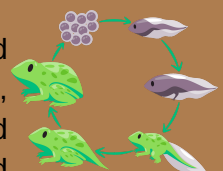
Students study the morphology of vertebrates through observation of organs and organ systems to understand structural adaptations and functional organization.



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8. Growth, Development, and Reproduction Practicum

Students conduct observations and experiments on growth, developmental stages, and reproductive processes to understand the life cycle of organisms.



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9. Biodiversity Practicum

Students explore the diversity of organisms through classification, identification, and comparative study to understand biological variation and its significance.



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