



Laboratory of Plant Structure Development

The Laboratory of Plant Structure Development supports teaching and research on plant anatomy, and plant development. Equipped with modern instruments, it provides facilities for developing technical competencies, applying scientific methods, and fostering innovations in plant structure development.



Lecturers



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Plant Anatomy Adaptations
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Functional Plant Anatomy
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Structure and Development of Vegetative Organs
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Main Laboratory Equipment



Microtome

Photo: Personal Documentation



Centrifuge

Photo: Personal Documentation



Microscope

Photo: Personal Documentation



Vortex

Photo: www.ebay.com



Magnetic Stirrer

Photo: www.sigmaldrich.com

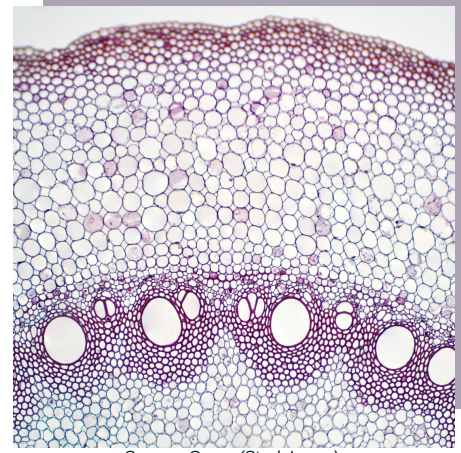


Optilab

Photo: www.miconos.co.id

Others:

- Oven
- Sliding Microtome
- Analytical Balance
- Staining Set



Source : Canva (Stock Image)



Scope of Expertise

- ✓ Plant Anatomy and Phytochemistry
- ✓ Plant Anatomy Adaptations
- ✓ Plant Reproductive Structure and Development
- ✓ Structure and Development of Vegetative Organs
- ✓ Functional Plant Anatomy



Research Topic

- ✓ Plant anatomy
- ✓ Plant secondary metabolite
- ✓ Plant cytological and histological structure
- ✓ Cyto- and histo-chemical analysis
- ✓ Plant organ endurance against pathogen
- ✓ Plant Structure and Development
- ✓ Embryology
- ✓ Plant Microtechnique
- ✓ Plant Cell and Molecular Biology



courses offered for doctoral programme

- ✓ Natural Product Metabolism
- ✓ Structure and Products of Plant Secretory Tissues
- ✓ Vascular Plant Comparative Anatomy
- ✓ Plant Organogenesis



Public Service

- ✓ Plant Microtechnique Practicum Internship
- ✓ Plant Microtechnique Training (per session)
- ✓ Histochemical Analysis
- ✓ Permanent Speciment Preparation Service (Paraffin Embedding)
- ✓ Anatomical Analysis Services and Consultation