Laboratory of Plant Physiology

The Plant Physiology Laboratory supports teaching and research on the functional processes of plants. Equipped with modern instruments, it provides facilities for developing technical competencies, applying scientific methods, and fostering innovations in plant physiology.



Lecturers



Prof. Dr. Diah Rachmawati, S.Si., M.Si. Plant Physiology (Nutrient Science) Email: drachmawati@ugm.ac.id



Prof. Dr. Kumala Dewi, M.Sc.St. Plant Physiology (Phytohormon) Email: kumala.dewi@ugm.ac.id



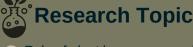
Dr. Dwi Umi Siswanti, M.Sc. Plant Development Physiology Email : dwiumi@ugm.ac.id



Sidiq Permana Putra, S.Si., M.Sc. Plant Ecophysiology Email: sidiqpermanaputra@ugm.ac.id



Dr. Siti Nurbaiti, S.Si. Plant Reproductive Physiology Email: siti.nurbaiti@ugm.ac.id



Science)

Role of plant hormones on plant growth and development

Scope of Expertise

Plant Physiology (Nutrient

Plant Ecophysiology

Plant Physiology (Phytohormon)

Plant Development Physiology

Plant Reproductive Physiology

- ✓ Plant Ecophysiology
- Integrated farming
- Physiological and anatomycal response of plant to chopper (pollutant)
- Plant respons to biofertilizer
- Plant respons to sludge biogas

Main Laboratory Equipment



Spectrophotometer UV-Vis



Nano Drop



Waterbath



Chlorophyl Meter



Fume Hood



Microscope



Oven

Others:

- Calorimeter
- Optilab
- Vortex
- Analytical Balance
- Centriguge



courses offered for doctoral programme

- Capita Selecta
- Plant Ecophysiology
- Plant Nutrition
- ✔ Plant Hormone Biosynthesis
- Plant Physiology
- ✓ Plant Development Physiology





Training on Basic Plant Physiology Analysis and Its Application in Research



Chlorophyll Analysis

Plant Physiology Training 'Biology and Climate Change Challenges: How Plants Respond to Environmental Stress'