



**Dr. Widya Mudyantini, M.Si.**

#### **Teaching Areas:**

Plant Physiology  
Phytohormon  
Plant Nutrition  
Economic Botany  
Post Harvest Physiology and  
Technology

#### **Organizations:**

Supervisor at Integrated  
Laboratory – Sebelas Maret  
University



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#### **SELECTED PUBLICATIONS**

2021. Exogenous application of paclobutrazol promotes water-deficit tolerance in pepper (*Capsicum annuum*). *Cell Biology & Development* 5 (1):1-6.
2017. Effects of Chitosan Coating and Storage Temperature on Physical Characteristic of Sapodillas (*Manilkara achras* (Mill.) Fosberg) during Ripening. *Agritech*. 37 (3): 343-351.
2015. Chitosan treatment and storage temperature in the retardation of fruitripening of red guava (*Psidium guajava*, L.). *Nusantara Bioscience*. 7( 2):153-159.
2015. Growth of Three Types of Kimpul (*Xanthosoma* spp.) at Different Altitudes. *Agric*. 27(1&2): 44-49.

#### **RESEARCH PROJECT**

- Genetic Diversity Analysis of Purple Leaf Plants (*Graptophyllum pictum* (L.) Griff.) Based on Morphological, Anatomical, Biochemical Character. (Research Group Grant UNS 2021).
- Physiological and Biochemical Characteristics of Three Varieties of Sweet Potato (*Ipomoea batatas* (Lam) with Chitosan Coating and Low Temperature Storage. (Research Group Grant UNS 2020).
- Genetic Diversity of Binahong (*Anredera cordifolia* (Ten.) Steenis) Plants Based on Morphological and Molecular Characters. (Research Group Grant UNS 2019).
- Physiological and Biochemical Changes of Sapodilla Fruit [*Manilkara achras* (Mill.) Fosberg] after Chitosan Coating and Storage at Low Temperature (Disertation UNS) 2015).

#### **INDUSTRY COLLABORATIONS PATENTS AND PROPRIETARY RIGHTS**

- Protista I (Batik “Motif” EC00201981489) 2019
- Foraminifera I (Batik “Motif” EC00201981491) 2019
- Double Helix DNA (Batik “Motif” 000154298) 2019
- Jamur (Batik “Motif” 000154295) 2019
- Anther (Batik “Motif” 000154297) 2019

Epidermis (Batik “Motif” 000153663) 2019  
Tumpal Batik Insang Ikan (Batik “Motif” EC00201858802 ) 2018  
Jantung Ikan (Batik “Motif” EC 00201860423) 2018  
Insang Ikan (Batik “Motif” EC00201861279) 2018  
Pembuluh Darah Ikan (Batik ‘Motif” EC00201861280) 2018  
Aktinenkim ( Batik “Motif” C00201403097) 2014

### ACADEMIC CAREER

[1997-present] : Associate Professor, Dept. of Biology, Faculty of Mathematics and Natural Sciences, Universitas Sebelas Maret.  
[2012-2019] : Dr. Biology Faculty of Biology Gadjah Mada University.  
[1997-2001] : M.Si. Biology Faculty of Biology Gadjah Mada University.  
[1991-1996] : S.Si Biology Faculty of Biology Gadjah Mada University.