

Staff Handbook

Name	Dr. Ir. Mahayu Woro Lestari, M.P.		
Position	Lecturer		
Academic career	Initial academic appointment	Agrotechnology Department, Agriculture Faculty, University of Islam Malang, Indonesia	1989
	Doctoral degree	Agriculture Faculty Universitas Brawijaya, Indonesia	2015
	Master degree	Agriculture Faculty Universitas Brawijaya, Indonesia	2000
	Undergraduate degree	Agriculture Faculty University of Islam Malang, Indonesia	1988
Employment	Lecturer	Agrotechnology Department, Agriculture Faculty University of Islam Malang	1989-now
Subject Module	<ul style="list-style-type: none"> • Plant Propagation • Horticultural Crop Cultivation Technique • Biopharmaceutical Plant Cultivation Technique • Entrepreneurship 		
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • Cultivation of Sweet Potato (<i>Ipomoea batatas</i> L. Lam) Improvement as an Effort to Develop Functional Food Products Based on Tropical Resources (2019 – 2021) • Utilization of Local Potential Intensification System to Increase Production of Long Beans (<i>Vigna sesquipedalis</i> L. Fruwirth) in Marginal Land (2017 – 2018) 		
Industry collaborations over the last 5 years	Detaser on: <ul style="list-style-type: none"> • Institute Technology and Science NU Pasuruan • University of Islam Balitar • Politechnic South of Aceh 		
Patents and proprietary rights	<ul style="list-style-type: none"> • Methods of Isolation of callus protoplasts from temulawak plants (2015) (In Progress) • <i>Crassocephalum crepidiodes</i> Cultivation Technology Safe from Heavy Metals (2021) (In Progress) • Mechanism of Tolerance of Long Yard Beans Facing Drought Stress (Intellectual Property Right, 2019) • Grouping of Sweet Potato (<i>Ipomeae Batatas</i> L.) Clone Based on High Dry Matter Yield Potential (Intellectual Property Right, 2019). • Grouping of Long Yard Beans on Tolerance to Drought Stress Based on Morphological Characters (Intellectual Property Right, 2020). 		
Important publications over the last 5 years	Selected recent publications from a total of approx. 20 papers: <ul style="list-style-type: none"> • Lestari, M.W., 2018. Effects of Drought Stress on Accumulation of Proline and Antioxidant Enzymes in the Different Varieties of Yardlong Beans. <i>Pertanika Journal of Tropical Agricultural Science</i>, 41(3). • Lestari, M.W., Arfarita, N., Sharma, A. and Purkait, B., 2019. Tolerance mechanisms of Indonesian plant varieties of yardlong 		

	<p>beans (<i>Vigna unguiculata</i> sub sp. <i>sesquipedalis</i>) against drought stress. <i>Indian Journal of Agricultural Research</i>, 53(2), pp.223-227.</p> <ul style="list-style-type: none"> • Lestari, M.W. and Mardiyani, S.A., 2019. Effect of electric shock on the media and foliar spray of CaCl₂ to the nutritional and bioactive content of lettuce. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 230, No. 1, p. 012011). IOP Publishing. • Lestari, M.W., Mardiyani, S.A., Murwani, I. and Ulfah, M., 2020, April. Viability of <i>Crassocephalum crepidioides</i> seeds due to Boron application. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 475, No. 1, p. 012027). IOP Publishing. • Lestari, M.W., Rosyidah, A. and Purkait, B., 2020. The effectiveness of nitrogen fertilization in <i>Codiaeum variegatum</i> L. and <i>Sansevieria trifasciata</i> L. and the effects on Pb accumulation. <i>Environment and Natural Resources Journal</i>, 18(3), pp.314-321. • Lestari, M.W., Arfarita, N. and Indriani, F.C., 2021. The Integration of Manure and Potassium Applications to Improve the Yield and Quality of Sweet Potato (<i>Ipomoea batatas</i> L). <i>Journal of Hunan University Natural Sciences</i>, 48(1). • Lestari, M.W., 2021, April. Heavy metal content in the leaves of <i>Crassocephalum crepidioides</i> due to the application of various types of manure. In <i>IOP Conference Series: Earth and Environmental Science</i> (Vol. 733, No. 1, p. 012001). IOP Publishing.
<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • Head of Quality Assurance Agency, University of Islam Malang (2019 – now) • Head of Quality Assurance Agency, University of Islam Malang (2015 – 2019) • Reviewer of Plant Cell Biotechnology and Molecular Biology (PCBMB), 2021 • Reviewer Journal Experimental Agriculture International (JEAI), 2021