

Staff Handbook

Name	Prof. Dr. Ir. Nurhidayati, MP.		
Position	Lecturer		
Academic career	Initial academic appointment	Agrotechnology Department, Agriculture Faculty, University of Islam Malang, Indonesia	1992
	Doctoral degree	Agriculture Faculty University of Brawijaya, Indonesia	2013
	Master degree	Agriculture Faculty University of Brawijaya, Indonesia	1998
	Undergraduate degree	Agriculture Faculty University of Brawijaya, Malang, Indonesia	1989
Employment	Lecturer	Agrotechnology Department, Agriculture Faculty University of Islam Malang	1992-now
Subject Module	<ul style="list-style-type: none"> • Soil Fertility and Health • Soil and Crop Management • Soil and Plant Analysis Technique • Healthy Farming 		
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • Production of Vegetables with High Nutrient and Antioxidant Contents for the Prevention of Degenerative Diseases through the Application of Multipurpose Vermicompost Hydrogenically (2019 – 2021) • Effectiveness of Vermicompost with Additive of Organic Pesticides in Pest Control of <i>Plutella Xylostela</i> in Cabbage and Broccoli Crop (2018-2019) • Utilization of Role of Epigeic earthworms (<i>LumbricusRubellus</i>) as Producer of Vermicompost Plus and Earthworms Endogeic (<i>Pontoscolex Corethrurus</i>) as Ecosystem Engineer For Production of High Quality Organic Vegetable (2015-2017) • Substitution Optimization of Ammonium Sulfate Fertilizer in Sugarcane Cultivation through the addition of Local Soil Amendment (2015-2017) 		
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • Food Security Council Member, Malang District, East Java, Indonesia • General Secretary of The Indonesian Assosiation of Private Universities for Agricultural Sciences • Education and Training Division of Indonesian Biochar Association 		
Patents and proprietary rights	<ul style="list-style-type: none"> • Vermicompost With Added Fish Meal and Egg Shells (2016) (In Progress) • Lettuce Cultivation Technology with High Antioxidant Content (2019) • Video Recording Works of Multipurpose Vermicompost (2020) 		
Important publications over the last 5 years	<p>Selected recent publications from a total of approx. 20 papers:</p> <ul style="list-style-type: none"> • Nurhidayati, A. Basit. 2015. Improvement of Nitrogen Use Efficiency Derived from Ammonium Sulfate Substitute Fertilizer in 		

	<p>Sugarcane Cultivation through the Addition of Organic Amendment. <i>International Journal of Plant & Soil Science</i>. 6(6) :341-349.</p> <ul style="list-style-type: none"> • Nurhidayati, E. Arisoesilaningsih, D. Suprayogo, K.Hairiah. 2015. Improvement of Physical and Biological Quality of Soil in a Sugarcane Plantation through the management of Organic Matter Input. <i>Journal of Agricultural Science and Technology A</i>. 5(5):316-324. • Nurhidayati, A. Basit. 2015. Optimization of Ammonium Sulfate Substitution with Mixture of Urea and Gypsum through Addition of Soil Amendment on Sugarcane. <i>Proceeding of International Conference on Agriculture 2015</i>. • Nurhidayati, U. Ali. I. Murwani. 2015. Influence of The Kind of Vermicompost Material and Earthworm <i>Pontoscolex Corethrurus</i> Population on The Yield and Quality of Phak-Coi Mustard (<i>Brassica Rapa</i> L.) With Organic Potting Media. <i>International Conference on Life Sciences and Biotechnology</i>. ISBN :9786029030983. P. 168-176 • Nurhidayati, E. Arisoesilaningsih, D. Suprayogo, K.Hairiah 2015. The Relationship between Soil Presence and Sugar Cane Production on the Input of Various Quality and Quantities of Organic Matter. <i>Proceeding of Indonesian Soil Science Association Congress and National Seminar</i>. ISBN: 9795085085. P. 277-289. • Nurhidayati, U. Ali. I. Murwani .2016. Yield and Quality of Cabbage (<i>Brassica oleracea</i> L. Var.capitata) under Organic Growing Media Using Vermicompost and Earthworm <i>Pontoscolex corethrurus</i> Inoculation. <i>Agriculture and Agricultural Science Procedia</i>. 11 (2016) : 5-13 • Nurhidayati, U. Ali. I. Murwani. 2017. Chemical Composition of Vermicompost Made from Organic Wastes through the Vermicomposting and Composting with the Addition of Fish Meal and Egg Shells Flour. <i>J. Pure App. Chem. Res.</i>, 6 (2), 127-136 • Nurhidayati, M. Machfudz, I. Murwani . 2017. Growth, Yield and Quality of Broccoli (<i>Brassicace oleraceae</i> L) as a Response to Application of Three Kinds of Vermicompost with Organic Planting System. <i>Proceeding of National Seminar Optimizing of Utilization of Local Resources Towards Sustainable National Food Self-reliance</i>, ISBN: 978-602-61781-0-7. P.175-190 • Nurhidayati, M. Machfudz, I. Murwani. 2017. Direct and Residual Effect of Various Vermicompost on Yield and Quality of Broccoli. <i>Journal of Applied Scinces Research</i>. 13(8) : 30-37. • Nurhidayati, M. Machfudz, I. Murwani. 2017. Combined Effect of Vermicompost and Earthworm <i>Pontoscolex corethrurus</i> Inoculation on The Yield And Quality Of Broccoli (<i>Brassica Oleracea</i> L.) Using Organic Growing Media. <i>Journal of Basic and Applied Research</i>. V22 (4) Hal.148-156. • Nurhidayati, A. Basit. 2018. Effect of Residue Management and N and S Fertilisation on Cane and Sugar Yield of Plant and Ratoon Cane. <i>Pertanika Journal of Tropical Agricultural Science</i>. 41 (1): 365 - 378 • Nurhidayati, M. Machfudz, I. Murwani. 2018. Direct and Residual Effect of Various Vermicompost on Soil Nutrient and Nutrient Uptake
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	<p>Dynamics and Productivity of Four Mustard Pak-Coi (<i>Brassica rapa</i> L) Sequences in Organic Farming System. <i>International Journal of Recycling of Organic Waste in Agriculture</i>. 7 (2) : 173-181</p> <ul style="list-style-type: none"> • Nurhidayati, M. Machfudz. 2019. Comparing the Quality of Organically Grown Mustard Pak-Coi Using Three Different Types of Vermicompost at Various Rates With Those Inorganically Grown. <i>Proceedings of 27th ETAS & 28th BESM Conference</i>. ISBN Code: 978986974842. P. 26-40 • Nurhidayati, M. Machfudz, A. Basit, R.N.S. Handoko. 2020. Effectiveness of vermicompost with additives of various botanical pesticides in controlling <i>Plutella xylostella</i> and their effects on the yield of cabbage (<i>Brassica oleracea</i> L.var. Capitata). <i>Asian Journal of Agriculture & Biology</i>. 8(3):223-232. • Putra, R.D., S.A. Mardiyani, Nurhidayati. 2020. The Role of Vermicompost on the Morphophysiology of Hydroganic Waterspinach. <i>Agrotechnology Research Journal</i>. 4 (2) : 70-76 • Nurhidayati, M. Machfudz, A. Basit . 2021. Yield and Nutritional Quality of Green Leafy Lettuce (<i>Lactuca sativa</i> L) under Soilless Culture System Using Various Composition of Growing Media and Vermicompost Rates. <i>Caraka Tani: Journal of Sustainable Agriculture</i>. 36(2): 200-212. • Soares, F.A. P.N. Chiangmai, C. Laosutthipong, P. Duangkaew, S. Chotnipat and Nurhidayati. 2021. Effect of salinity on agronomic characteristics of three rice varieties (<i>Oryza sativa</i> L.) at tillering stage . <i>Proceeding of the RSU International Research Conference 2021</i>.p. 584-592. • Myo, L.Z., P.N. Chiangmai, C. Laosutthipong, P. Duangkaew, S. Chotnipa and Nurhidayati 2021. Effects of Water Salinity on Yield and Yield Components of Three Rice Varieties. <i>Proceeding of the RSU International Research Conference 2021</i>.p.574-583
<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • Dean of Agriculture Faculty, University of Islam Malang (2015 – now) • Reviewer of <i>Journal of Experimental Agriculture International</i> (2017- now) • Reviewer of <i>Asian Journal of Soil Science and Plant Nutrition</i> (2017- now) • Reviewer of <i>International Journal of Plant & Soil Science</i> (2018- now) • Reviewer of <i>Asian Journal of Research in Crop Science</i> (2018- now) • Reviewer of <i>Asian Journal of Agriculture and Biology, Pakistan</i> (2019-now) • Reviewer of <i>Current World Environment Journal, Enviro Research Publisher</i>(2019-now) • Reviewer of <i>Journal of Horticulture and Plant Research, Switzerland</i> (2020-now) • Reviewer of <i>International Journal of Agricultural Technology, AATSEA, Thailand</i> (2020-now)

	<ul style="list-style-type: none">• Reviewer of Journal of Frontiers in Sustainable Cities (2020- now)• Reviewer of Indonesian Horticulture Journal (2021)• Editorial Board Member of the Journal of Agriculture and Crops (2021)
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