



Curriculum Vitae

Department of Agricultural Engineering

Universitas Brawijaya

Name	<i>Dewi Maya Maharani, STP, M.Sc</i>		
Position	<i>Assistant prof. in Bachelor of Agricultural Engineering Study Programme</i>		
Academic career	<i>Initial academic appointment</i>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2011</i>
	<i>Doctoral degree</i>	<i>-</i>	<i>-</i>
	<i>Master degree</i>	<i>Agricultural Engineering, Gadjah Mada University, Indonesia</i>	<i>2011</i>
	<i>Undergraduate degree</i>	<i>Agricultural Engineering, Gadjah Mada University, Indonesia</i>	<i>2009</i>
Employment	<i>Lecturer</i>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2011-Now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>The Design of a Stevia Extraction Machine Based on A Combination of Electroheating and Ultrafiltration Technology as a Solution to Improve the Quality of Low Calorie Liquid Sugar, 2019, 26M IDR</i> - <i>Comparative Study of Physical Properties, Phytochemical, Kinetics and Energy Analysis of Puyang Chili (Piper retrofractum vahl) Drying of Three Different Drying Techniques, 2019, 50M IDR</i> - <i>Ultraviolet and Ultrasound Treatment as Non-thermal Preservation of Coconut (Cocos nucifera L.) Milk, 2018, 27M IDR</i> - <i>Optimization of Glucose Fermentation Process and Purification of Bioethanol from Rice Straw Oryza sativa), 2016, 75M IDR</i> 		
Industry collaborations over the last 5 years	<i>-</i>		
Patents and proprietary rights	<ul style="list-style-type: none"> - <i>Coconut maturity detection using machine vision (Hendrawan, Y., Amini, A., Maharani, D.M., Sutan, S.M.)</i> 		
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. 18 papers:</i></p> <ul style="list-style-type: none"> - <i>Maharani, D.M., Mustaniroh, S.A. 2020. Increasing Efficiency of Creative Chocolate Production With Semi Automatic Chocolate Coating Machine. Journal of Innovation and Applied Technology. 6(6), 925-931.</i> - <i>Hendrawan, Y., Amini, A., Maharani, D.M., Sandra. 2019. Intelligent non-invasive sensing method in identifying coconut (coco nucifera var. Ebunea) ripeness using computer visionand artificial neural network. PERTANIKA Journal of Science & Technology. 27(3), 1317-1339.</i> - <i>Maharani, D.M., Latriyanto, A., Rafianto, V., Putri, S.V.Y.S., Khasanah, K. 2019. Design of Hypobaric Storage for Cayenne Pepper (Capsicum frutescens L.). AGRITECH Journal. 39(2), 143-152</i> 		

	<ul style="list-style-type: none"> - Maharani, D.M., Rosyidin, K. 2018. <i>The Effect of Microwave-NaOH Pretreatment on Kepok's Petiole Flour to The Cellulose Yied.</i> <i>AGRITECH Journal.</i> 38(2), 133-139 - Maharani, D.M., Pranowo, D. 2017. <i>The Improvement of Production Efficiency for Crispy Snack with Spinner Inverter and Double Cane.</i> <i>Journal of Innovation and Applied Technology.</i> 03(02), 470-475 - Maharani, D.M., Normalasari, L., Kumalasari, D., Prakoso, C.A.H., Kusumaningtyas, M., Ramadhan, M.T. 2017. <i>The Effect of Alkalization-Resistive Heating Pretreatment on Lignocellulose Content of Rice Straw.</i> <i>AGRITECH Journal.</i> 37(2), 132-138 - Argo, B.D., Hendrawan, Y., Maharani, D.M., Putranto, A.W., Winarsih, S. 2016. <i>The Effect of Microwave-NaOH Pretreatment and Hydrolysis Enzyme Using Trichoderma reesei-Aspergillus niger on Rice Straw Bioethanol Production.</i> <i>International Journal on Advanced Science Engineering Information Technology.</i> 6(1), 20-26
Activities in specialist bodies over the last 5 years	-