



Curriculum Vitae Department of Agricultural Engineering Universitas Brawijaya

Name	Dr. Ir. Sandra Malin Sutan, MP.		
Position	<i>Teaching area: Post Harvest Engineering, Food Process Engineering and Technology</i> <i>Associate Professor in Bachelor of Agricultural Engineering Study Programme</i>		
Academic career	Initial academic appointment	<i>Agricultural Engineering Department, Andalas University, Indonesia</i>	<i>1993</i>
	Doctoral degree	<i>Agriculture Engineering Department, Bogor Agricultural Institute, Indonesia</i>	<i>2007</i>
	Master degree	<i>Post Harvest Engineering Department, Universitas Brawijaya, Indonesia</i>	<i>1998</i>
	Undergraduate degree	<i>Agriculture Engineering Department, Andalas University, Indonesia</i>	<i>1989</i>
Employment	Lecturer	<i>Agricultural Engineering Department, Universitas Andalas</i> <i>Universitas Brawijaya</i>	<i>1993- Now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>Increasing Calories of Briquettes and Biopellets Made of Cocoa Shell Using Densification Processes and Water Heating Systems, 2017-2018, 100M IDR</i> - <i>Prediction of Vitamin C Content of Tomatoes Based on Image Processing Using Artificial Neural Network Methods, 2019, 20M IDR</i> - <i>Design a Thin-skinned Fruit and Vegetable Peeler Using the Lye Peeling Method, 2020, 50 IDR</i> - <i>Design of Semi-Automatic Coconut Milk Extactor, 2020, 4M IDR</i> 		
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> - <i>PUPT RISTEK DIKTI – Ministry of Research and Technology of the Republic of Indonesia, 2017-2018</i> - 		
Patents and proprietary rights	<ul style="list-style-type: none"> - <i>Processing of biopellets from cocoa leather (Theobroma cacao) and banana leather (Musa paradisiaca L.), 2018</i> - <i>Horizontal type of biopellet printer lab scale, 2018</i> - <i>biopellet from cocoa leather with addition of rice straw charcoal, 2019</i> - <i>Coconut maturity detection using machine vision</i> 		
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. 37 papers:</i></p> <ul style="list-style-type: none"> - Sandra, R Damayanti, Y Hendrawan, B Susilo, S Oktavia. 2020. <i>Prediction of tomatoes maturity using TCS3200 color sensor. IOP Conference Series: Earth and Environmental Science 475, 012011</i> - SM Sutan, IY Prayogi, R Damayanti, G Djoyowasito. 2020. <i>Design of prediction tools for banana maturity based on image processing. IOP International Conference on Green Agroindustry and Bioeconomy 475 (1), 012010</i> 		



	- C Umam, SM Sutan, Y Hendrawan. 2019. Fuzzy Logic in Determining The Control Temperature and Humidity in Plant Factory for Cultivation of Pak choy (<i>Brassica chinensis</i> L.) Hydroponics. <i>The Indonesian Green Technology Journal</i> 8(1),
Activities in specialist bodies over the last 5 years	-