



Curriculum Vitae Department of Agricultural Engineering Universitas Brawijaya

Name	<i>Dr. Ir. Bambang Susilo, M.Sc.Agr.</i>		
Position	<i>Teaching area: Bioenergy Engineering, Agricultural Engineering, Associate Professor in Bachelor of Agricultural Engineering Study Programme</i>		
Academic career	<i>Initial academic appointment</i>	<i>Agricultural Engineering Department, Universitas Brawijaya, Indonesia</i>	<i>1987</i>
	<i>Doctoral degree</i>	<i>Agriculture Department, Universitas Brawijaya, Indonesia</i>	<i>2003</i>
	<i>Master degree</i>	<i>Agriculture Engineering Department, Universitaet George August Goettingen, Germany</i>	<i>1995</i>
	<i>Undergraduate degree</i>	<i>Agriculture Engineering Department, Bogor Agricultural Institute, Indonesia</i>	<i>1981</i>
Employment	<i>Lecturer</i>	<i>Agricultural Engineering Department, Universitas Brawijaya, Indonesia</i>	<i>1987-Now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>Effect of Temperature and Pressure of Evaporation on the Quality of Red Dragon Fruit Syrup (Hylocereus Costaricensis) in Evaporation Using a Double Jacket Vacuum Evaporator., 2017, 12M IDR</i> - <i>Low Relative Humidity Drying in Red Chili Products (Capsicum annum L.), 2018, 12M IDR</i> - <i>Design of a Data Acquisition System on a Controlled Low Temperature Drying Machine for Drying Corn Seeds, 2020, 50M IDR</i> - <i>Increasing Calories of Briquettes and Biopellets with Cocoa Shell Raw Material Using Densification Process and Water Heating System 2017-2018, 100M, IDR</i> 		
Industry collaborations over the last 5 years	- <i>PNBP Faculty of Agrotechology – Brawijaya University, 2017-2020</i>		
Patents and proprietary rights	<ul style="list-style-type: none"> - <i>Continuous trans-esterification compact reactors for microwave-based biodiesel production, 2007</i> - <i>The bio-pellet process from cocoa leather (Theobroma cacao) and banana leather (Musa paradisiacal L.), 2018</i> - <i>Ultrasonic transesterification for biodiesel production, 2018</i> - <i>Laboratorial scale of horizontal type of bio-pellet machine, 2018</i> - <i>Bio-pellet from cocoa leather and rice straw charcoal, 2019</i> - <i>An integrated distillation-adsorption system for Fuel grade ethanol (FGE) purification, 2019</i> 		
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. 14 papers:</i></p> <ul style="list-style-type: none"> - <i>B Susilo, D Darhim, S Prabawanto. 2020. Critical thinking skills based on mathematical dispositions in problem-based learning. Journal of Physics: Conference Series 1567(2), 022101</i> 		

	<p>- B Susilo, DM Maharani, LC Hawa, DNK Fitri. 2019. Study of sorption isotherm and isosteric heat of Kepok Banana (<i>Musa paradisiaca</i> F.) slice. <i>IOP Conference Series: Earth and Environmental Science</i> 230 (1), 012017</p> <p>- I Sofi'i, SH Sumarlan, Wignyanto, B Susilo. 2017. Combination of high electric voltage (hey) and nacl as assisted extraction methods for <i>Nannochloropsis</i> sp. <i>BIOSCIENCE RESEARCH</i> 14 (2), 386-394</p>
Activities in specialist bodies over the last 5 years	<p>- Head of Institute of Research and Community Services, Universitas Brawijaya, 2017-2021</p> <p>- Head of Halal Toyib Science Center, 2021</p>