



Curriculum Vitae Department of Agricultural Engineering Universitas Brawijaya

Name	Prof. Dr. Ir. Sumardi Hadi Sumarlan.,MS.		
Position	<i>Teaching area: Food Processing and Post-Harvest Technology, Professor in Bachelor of Agricultural Engineering Study Programme</i>		
Academic career	Initial academic appointment	Agricultural Engineering Department, Universitas Brawijaya, Indonesia	1980
	Doctoral degree	Agriculture Engineering Department, Bogor Agricultural Institute, Indonesia	1993
	Master degree	Agriculture Engineering Department, Bogor Agricultural Institute, Indonesia	1982
	Undergraduate degree	Agricultural Agronomy Department, Universitas Brawijaya, Indonesia	1972
Employment	Professor	Agricultural Engineering Department, Universitas Brawijaya, Indonesia	1980-Now
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - Nitrogen Encapsulation to Increase Nutrient Adsorption in Rice Plants (<i>Oryza sativa</i> L.), 2018, 115M IDR - Design and Performance Test of a Modified Double Effect Evaporator for Food Evaporation, 2019, 100M IDR - Design and Performance Test of Hybrid Solar Collectors for Drying Agricultural Products, 2020, 100M IDR 		
Industry collaborations over the last 5 years	- PUST RISTEK DIKTI – Ministry of Research and Technology of the Republic of Indonesia, 2017-2018		
Patents and proprietary rights	-		
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"> - M Lutfi, SH Sumarlan, B Susilo, R Zenata, LPR Perdana. 2017. The Glycerol Effect on Mechanical Behaviour of Biodegradable Plastic from the Walur (<i>Amorphophallus paenifolius</i> Var. <i>sylvestris</i>). <i>Nature Environment and Pollution Technology</i> 16 (4), 1121-1124 - SA Mardiyani, SH Sumarlan, BD Argo, AS Laksono. 2018. Determination of physical and thermophysical characteristics of red peppers (<i>Capsicum annum</i>) using unsteady-state method. <i>AIP Conference Proceedings</i>, 1977(1):030004 - SA Mardiyani, SH Sumarlan, BD Argo, AS Leksono. 2019. Design of Eco-friendly Fixed Bed Dryer Based on A Combination of Solar Collector and Photovoltaic Module. <i>Nature Environment & Pollution Technology</i> 18(1), 21-30. 		



	<ul style="list-style-type: none">- Y Hendrawan, AH Putra, SH Sumarlan, G Djoyowasito. 2020. <i>Plant acoustic frequency technology control system to increase vegetative growth in red-lettuce. TELKOMNIKA 18 (4), 2042-2052</i>- I Sofi'i, SH Sumarlan, Wignyanto, B Susilo. 2017. <i>Combination of high electric voltage (hey) and nacl as assisted extraction methods for Nannochloropsis sp. BIOSCIENCE RESEARCH 14 (2), 386-394</i>
Activities in specialist bodies over the last 5 years	-