



## Curriculum Vitae Department of Agricultural Engineering Universitas Brawijaya

<b>Name</b>	<b><i>Dina Wahyu Indriani, S.TP., M.Sc.</i></b>		
<b>Position</b>	<i>Teaching area: Biomaterial and Bioseparation, Assistant professor in Bachelor of Bioprocess Engineering Study Programme</i>		
<b>Academic career</b>	<b><i>Initial academic appointment</i></b>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2013</i>
	<b><i>Master degree</i></b>	<i>Chemical Engineering Department, Chung Yuan Christian University Taiwan</i>	<i>2012</i>
	<b><i>Undergraduate degree</i></b>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2010</i>
<b>Employment</b>	<b><i>Lecturer</i></b>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2013- Now</i>
	<b><i>Research scholar</i></b>	<i>Separation Technology Laboratory, Chung Yuan Christian University, Taiwan</i>	<i>2010- 2012</i>
<b>Research and development projects over the last 5 years</b>	<ul style="list-style-type: none"> <li>- <i>Nitrogen Enkapsulation To Increase Nutrition Adsorbsion In Rice Plants (Oryza sativa L.), 2016- 2019, 474M IDR</i></li> <li>- <i>Application of Cross Flow Ultrafiltration Membrane (UF) in the Harvesting of Microalgae as an Alternative Source Of Biodiesel Raw Materials, 2017, 12M IDR</i></li> <li>- <i>Study of the Characteristics of the Mechanical Properties of Bioplastic Made of Siwalan (Borassus Flabellifer L) and Strawberry Skin with Gliesrol Plasticizer as a Transgenic Oil Biosensor, 2018, 3M IDR</i></li> <li>- <i>Study the Nitrogen Recovery on Slow Release Absorption Fertilizer Capsules for Rice Plants (Oryza sativa L), 2020, 4M IDR</i></li> <li>- <i>Immobilization of Slow Release Absorption Fertilizer Capsules to Improve Nutrition in Rice Plants (Oryza Sativa L.), 2020, 25M IDR</i></li> </ul>		
<b>Industry collaborations over the last 5 years</b>	-		
<b>Patents and proprietary rights</b>	-		
<b>Important publications over the last 5 years</b>	<p><i>Selected recent publications from a total of approx. 30 papers:</i></p> <ul style="list-style-type: none"> <li>- <b><i>DW Indriani, SH Sumarlan, S Munawaroh.</i></b> 2019. <i>Physicochemical Characterization of Biodegradable Plastic from Uwi Tuber Starch (Dioscorea Alata) with Sorbitol and CMC (Carboxymethyl Cellulose) As Plasticizer Addition. Journal of Environmental Engineering and Sustainable Technology. Vol 6, No 2, 57-65</i></li> <li>- <i>N Barunawati, DW Indriani, SH Sumarlan.</i> 2019. <i>N-Encapsulation Maintain Yield of Rice (Oryza sativa L.) Under Drought Condition. AGRIVITA, Journal of Agricultural Science, 41 (1), 97-106 (International Scientific Indexing Impact Factor: 1.259)</i></li> </ul>		

	- <b>DW Indriani</b> , N Barunawati, SH Sumarlan. 2019. <i>Silica Extraction from Rice Husk as Slow Release Fertilizer using Microwave Assisted Extraction Russian Journal of Agricultural and Socio Economic Sciences</i> 12 (96), 194- 200. (Index Copernicus International)
Activities in specialist bodies over the last 5 years	-