



# Curriculum Vitae

## Department of Agricultural Engineering

### Universitas Brawijaya

<b>Name</b>	<b>Angky Wahyu Putranto, STP, MP</b>		
<b>Position</b>	<i>Teaching area: Design and Optimization process and non-thermal technology</i> <i>Assistant professor in Bachelor of Bioprocess Engineering Study Programme</i>		
<b>Academic career</b>	<b>Initial academic appointment</b>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2015</i>
	<b>Master degree</b>	<i>Agroindustrial Technology, Universitas Brawijaya, Indonesia</i>	<i>2014</i>
	<b>Undergraduate degree</b>	<i>Agricultural Engineering, Universitas Brawijaya, Indonesia</i>	<i>2012</i>
<b>Employment</b>	<b>Lecturer</b>	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2015- Now</i>
<b>Research and development projects over the last 5 years</b>	<ul style="list-style-type: none"> <li>- <i>Optimization of Glucose Fermentation Process and Purification of Bioethanol from Rice Straw (Oryza sativa) as Environmentally Friendly Fuels, 2016, 75M IDR</i></li> <li>- <i>PNBP Faculty of Agrotechnology - Effect of treatment duration and frequency of PEF on polyphenol content of Extracted Cosmos Caudatus, 2017, 12M IDR</i></li> <li>- <i>Design of Pre-treatment Machine for Cellulose from Biomass Waste Based on Hybrid Non-Thermal Technology, 2018, 25M IDR</i></li> <li>- <i>PNBP - Design of Portable Point of Use Drinking Water Treatment Using Filtration and Ultraviolet, 2019, 20M IDR</i></li> <li>- <i>Response Surface Methodology (RSM) Application for Modeling and Optimization of Biological Systems, 2019, 10M IDR</i></li> <li>- <i>Design of Fruit Juice Clarifier and Concentrator Using Plate and Frame Membrane with Natural Antibio, 2019-2021, 500M IDR</i></li> <li>- <i>Optimization of Pretreatment of Oil Palm Empty Bunches Using Non-Thermal Pulsed Electric Field Method, 2020, 10M IDR</i></li> <li>- <i>Design a Non-Destructive Method of Measuring Total Flavonoids of African Leaves (Vernonia amygdalina) Using Machine Vision, 2020, 22M IDR</i></li> <li>- <i>Design of Non-Thermal Pasteurization Machines in the Milk Processing Process Supplemented Collagen, 2021, 20M IDR</i></li> <li>- <i>Vacuum Impregnation Applications Enriched Dried Papaya Fruit Products Calcium Lactate, 2021, 25M IDR</i></li> </ul>		
<b>Industry collaborations over the last 5 years</b>	<ul style="list-style-type: none"> <li>- <i>Project title: Technology Delignification Using Non -Thermal Physico-Chemical in Biomass Waste</i></li> <li>- <i>Partners: PT. Pertamina (State Oil and Gas Mining COMPANY)</i></li> </ul>		
<b>Patents and proprietary rights</b>	<ul style="list-style-type: none"> <li>- <i>Antioxidant extraction machines from natural materials using high voltage electric pulse – 2020</i></li> <li>- <i>Composite membrane with natural antibiofouling nanoparticles phenolic extract of olive leaves - 2020</i></li> </ul>		

<p>Important publications over the last 5 years</p>	<p><i>Selected recent publications from a total of approx. 36 papers:</i></p> <ul style="list-style-type: none"> <li>- <b>AW Putranto</b>, SH Abida, K Adrebi, A Harianti. 2020. <i>Lignocellulosic Analysis of Corncob Biomass by Using Non-Thermal Pulsed Electric Field-NaOH Pretreatment, Reaktor</i>, 20(4), 183-191</li> <li>- <b>AW Putranto</b>, FP Puspaningarum, Sukardi. 2020. <i>The cyclone separator application on physicochemical characterization of coconut shell-liquid smoke grade C. Advances in Food Science, Sustainable Agriculture and Agroindustrial Engineering</i>, 3(2), 68-74</li> <li>- <b>AW Putranto</b>, SR Dewi, Y Puspitasari, FA Nuriah. 2018. <i>Optimization of free radical scavenging capacity and pH of <i>Hylocereus polyrhizus</i> peel by Response Surface Methodology, IOP Conference Series: Earth and Environmental Science</i>, 131, 012051</li> </ul>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>