



# Curriculum Vitae

## Department of Agricultural Engineering

### Universitas Brawijaya

<b>Name</b>	<b>Ni`matul Izza, STP. MT</b>
<b>Position</b>	Teaching area: Material science Lecturer in Agricultural Engineering Homebase: Bachelor of Bioprocess Engineering Study Programme
<b>Academic career</b>	<p><b>Initial academic appointment</b> Agricultural Engineering 2014 Department, Universitas Brawijaya</p> <p><b>Doctoral degree</b> Material Science and Engineering, 2019- Osaka University, Japan now</p> <p><b>Master degree</b> Chemical Engineering, Universitas 2014 Indonesia, Indonesia</p> <p><b>Undergraduate degree</b> Agricultural Engineering, 2011 Universitas Brawijaya, Indonesia</p>
<b>Employment</b>	<b>Lecturer</b> Agricultural Engineering 2014- Department, Universitas Brawijaya Now
<b>Research and development projects over the last 5 years</b>	<ul style="list-style-type: none"> <li>- Effect of treatment duration and frequency of PEF on polyphenol content of Extracted Cosmos Caudatus, 2017, 12M IDR</li> <li>- Synthesis of Poly-eter sulfone-b-Poly ethylene glycol (PES-b-PEG) Block-copolymer for Fruit Juice Ultrafiltration, 2017, 27M IDR</li> <li>- Extraction of Phenolic Compounds from Torbangun Leaves as an Ingredients for Breast-milk Booster, 2018, 20M IDR</li> <li>- Production of Fuel Grade Ethanol (FGE) from Fermented Molasse using Integrated Distillation and Adsorption System (I-DAS), 2018, 198M IDR</li> <li>- Design of Portable Point of Use Drinking Water Treatment Using Filtration and Ultraviolet, 2019, 20M IDR</li> <li>- Synthesis of Nanostructured Lipid Carrier (NLC) for Kaempferol Delivery System, 2019, 36M IDR</li> <li>- Kinetics of Thin Film drying of Fresh Fruit Uisng Osmosis Dehydration Technique, 2019, 10M IDR</li> <li>- Designing Plate-and-Frame Membrane-Based Fruit Juice Clarification and Concentration Tool with Natural Anti-Biofouling Phenolic Powder (NAPP), 2019-2021, 500M IDR</li> </ul>
<b>Industry collaborations over the last 5 years</b>	- Osaka University - Synthesis of Nanostructured Lipid Carrier (NLC) for Kaempferol Delivery System, 2019
<b>Patents and proprietary rights</b>	- Fuel Grade Ethanol (FGE) Processing using Integrated Distillation-Adsorption System (2019)
<b>Important publications over the last 5 years</b>	<p>Selected recent publications from a total of approx. 15 papers:</p> <ul style="list-style-type: none"> <li>- <b>N Izza</b>, K Suga, Y Okamoto, N Watanabe, TT Bui, Y wibisono, CR Fadila, H Umakoshi. 2021. Systematic Characterization of Nanostructured Lipid Carriers from Cetyl Palmitate/Caprylic Triglyceride/Tween 80 Mixtures in an Aqueous Environment. <i>Langmuir</i>. 37. (ACS Publisher, SCI IF: 3.557)</li> <li>- PAR Utoro, A Sukoyo. S Sandra, <b>N Izza</b>, SR Dewi, Y Wibisono. 2019. High-throughput microfiltration membranes with natural</li> </ul>

	<p><i>biofouling reducer agent for food processing. Processes. 7 (1). (MDPI, SCI IF: 2.753)</i></p> <p>- <b>N Izza</b>, SR Dewi, A Setyanda, A Sukoyo, P Utoro, DF Alriza, Y Wibisono. 2018. <i>Microwave-assisted extraction of phenolic compounds from Moringa oleifera seed as anti-biofouling agents in membrane processes. MATEC Web Conferences.</i></p>
Activities in specialist bodies over the last 5 years	-