



Curriculum Vitae

Department of Agricultural Engineering

Universitas Brawijaya

Name	Dr.Agr.Sc. Dimas Firmanda Al Riza, ST., M.Sc.		
Position	<i>Teaching area: Bio-instrumentation and control, Assistant professor in Bachelor of Bioprocess Engineering Study Programme</i>		
Academic career	Initial academic appointment	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2012</i>
	Doctoral degree	<i>Bio-sensing Engineering, Kyoto University, Japan</i>	<i>2019</i>
	Master degree	<i>Mechanical Engineering, Universiti Teknologi PETRONAS, Malaysia</i>	<i>2011</i>
	Undergraduate degree	<i>Engineering Physics, Institut Teknologi Sepuluh Nopember, Indonesia</i>	<i>2008</i>
Employment	Lecturer	<i>Agricultural Engineering Department, Universitas Brawijaya</i>	<i>2012-Now</i>
	Postdoctoral scholar	<i>Bio-sensing Engineering, Kyoto University, Japan</i>	<i>2019-2020</i>
	Engineer	<i>Gerbang Multindo Nusantara Co.Ltd., Jakarta, Indonesia</i>	<i>2008</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> - <i>Design a Non-Destructive Method of Measuring Total Flavonoids of African Leaves (Vernonia amygdalina) Using Machine Vision, 2020, 22M IDR</i> - <i>AI implementation in antioxidant prediction model of leaf using machine vision and fluorescence, 2020, 50M IDR</i> - <i>Development of portable monitoring and evaluation of Citrus Orchard based on computer vision and AI, 2021, 25M IDR</i> - <i>Development of Cacao (Theobroma cacao) Fermentation Level Prediction System Prototype based on Computer Vision and AI, 2021, 25 IDR</i> 		
Industry collaborations over the last 5 years	- <i>Myanmar Mango Quality Evaluation – Kyoto University, Yukioo Co.Ltd.</i>		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. 30 papers:</i></p> <ul style="list-style-type: none"> - DF Al Riza, N Kondo, VK Rotich, C Perone, F Giametta. 2021. <i>Cultivar and geographical origin authentication of Italian extra virgin olive oil using front-face fluorescence spectroscopy and chemometrics. Food Control 121, 107604 (Elsevier, SCI Impact Factor: 4.258)</i> - DF Al Riza, S Widodo, YA Purwanto, N Kondo. 2019. <i>Combined fluorescence-transmittance imaging system for geographical authentication of patchouli oil. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 218, 155-160 (Elsevier, SCI Impact Factor: 3.232)</i> 		

	- DF Al Riza, S Widodo, YA Purwanto, N Kondo. 2019. Authentication of the geographical origin of patchouli oil using front-face fluorescence spectroscopy and chemometric analysis. Flavour and Fragrance Journal 34 (1), 15-20. (Wiley, SCI Impact Factor: 1.598)
Activities in specialist bodies over the last 5 years	-