


Muhammad Rizal, S.TP., M.Si.

Name	Muhammad Rizal, S.TP., M.Si.		
Post	Mechanical and Biosystems Engineering		
Academic Career	<i>Doctorate Degree</i>	<i>University</i>	<i>Year</i>
	<i>Magister Degree</i>	<i>University</i>	<i>Year</i>
	Mechanical and Biosystems Engineering	IPB University	2013-2016
	<i>Bachelor Degree</i>	<i>University</i>	<i>Year</i>
	Agricultural Engineering	Hasanuddin University	2008-2012
Employment	Lecturer, Bachelor Programme of Agricultural Engineering, Faculty of Agriculture	Hasanuddin University	2022-present
Research and Development Projects Over the Last 5 Years	<i>Title of Research</i>	<i>Year</i>	<i>Funding</i>
	Design of Green house Temperature and Humidity Control System Using DHT 22 Sensor (Team member)	2022	Internal Funding for Researcher, Hasanuddin University IDR 10000000,- (€599,44)
	Microclimate and Soil Moisture Control for Optimizing Kale Chinese Vegetable Cultivation (Team member)	2023	Internal Funding for Researcher, Hasanuddin University IDR 65000000,- (€3896,35)
Industry Collaborations Over the Last 5 Years	<i>Title</i>	<i>Year</i>	
	-	-	
Patents and Proprietary Rights	<i>Title</i>	<i>Year</i>	
	-	-	
Important Publications Over the Last 5 Years	<i>Title</i>	<i>Journal Name</i>	<i>Year/Vol/Number</i>
	Design of a Greenhouse Room Temperature and Humidity Control System Using a DHT 22 Sensor	Jurnal Agritechno	160-165 (2022)
	Development of Controlled Drip Irrigation with Lock Time System	Abdi Techno	36-43 (2022)
	Development of Control System for Monitoring the Function of Drip Irrigation Equipment in Plant Nurseries	International Conference on Science and Advanced Technology (ICSAT)	-
	Modification of Internet of Things Based Composting Tools in Compost Decomposition Process	Jurnal Pendidikan Teknologi Pertanian	8 (2), 225-234

Activities in Specialist Bodies Over the Last 5 Years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
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