


Muhammad Tahir Sapsal, S.TP., M. Si.

Name	Muhammad Tahir Sapsal, S.TP., M. Si.		
Post	Agricultural Mechanical Engineering		
Academic Career	<i>Magister Degree</i>	<i>University</i>	<i>Year</i>
	Agricultural Food and Machinery Engineering	Bogor Agricultural University (IPB)	2012
	<i>Bachelor Degree</i>	<i>University</i>	<i>Year</i>
	Agricultural Engineering	Hasanuddin University	2008
Employment	Bachelor Programme of Agricultural Engineering, Faculty of Agriculture	Hasanuddin University	-present
Research and Development Projects Over the Last 5 Years	<i>Title of Research</i>	<i>Year</i>	<i>Funding</i>
	Study of Optimization of Reservoir and Groundwater Utilization in Increasing Rainfed Rice Field Productivity Sustainably	2020	DIKTI/Ministry of Education Indonesia
	Engineering and Implementation of Organic Fertilizer Applicators for Rice Plants in Supporting Food Self-Sufficiency	2021	DIKTI/Ministry of Education Indonesia
	Application and Optimization of Low-cost and Environmentally Friendly Automatic Control-based Zero Energy Cool Chamber (ZECC) to Extend the Shelf Life of Fruits and Vegetables After Harvest	2022	DIKTI/Ministry of Education Indonesia
	Microclimate and Soil Moisture Control for Optimization of Chinese Kale Cultivation	2023	LPPM Unhas
Industry Collaborations Over the Last 5 Years	<i>Title</i>	<i>Year</i>	
	Development of Nursery Database Information System PT. Vale Indonesia	2019 - 2020	
	Agricultural Product Distribution Platform in South Sulawesi Province	2022 - 2024	
Patents and Proprietary Rights	<i>Title</i>	<i>Year</i>	
	Zero Energy Cool Chamber (ZECC)	2020	
	Watering System in ZECC (Zero Energy Cool Chamber) Based on Automatic Control	2021	
Important Publications Over the Last 5 Years	<i>Title</i>	<i>Journal Name</i>	<i>Year/Vol/Number</i>
	Design of drainage channel for effective use of land on fully mechanized sugarcane plantations: A case study at Bone Sugarcane Plantation	Open Agriculture	2024/vol 9/

	Work capacity of compost applicator on paddy field	AIP Conference Proceedings	2023/Vol 2596
	Drilled Wells Water Level Data Recording System for Irrigation of Rainfed Rice Using Arduino and Pressure Sensor	IOP Conference Series: Earth and Environmental Science,	2021/Vol 807/1-7
	Performance Evaluation of Crown Indo Jarwo Legowo Line Rice Transplanter System in Pinrang Regency, South Sulawesi	Jurnal Teknik Pertanian Lampung	2021/Vol 10/51-56
	Variable Rate Granular Fertilizer for Corn Plants	Jurnal Agritechno	2020/ vol 13/51-56
	Design and Performance Test of Ohmic-Assisted Cocoa Fermentation Apparatus	ARPN J. Eng. Appl. Sci	2019/Vol 14/1515-1523
	Extending of Mango (<i>Mangifera indica</i> L.) Shelf Life with Combination of Zero Energy Cool Chamber (ZECC), Storage Technology, Washing and Packaging”	Int. J. Agricult. Stat. Sci	2021/Vol 17/1553-1563
Activities in Specialist Bodies Over the Last 5 Years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	PERTETA (Indonesian Society of Agricultural Engineering) South Sulawesi Branch	IT and communication Division	2021 - 2025
SINTA	https://sinta.kemdikbud.go.id/authors/profile/6024504		