


Dr. Ir. Mahmud Achmad, MP

Name	Dr. Ir. Mahmud Achmad, MP		
Post	Water Resource Engineering dan Management		
Academic Career	<i>Doctorate Degree</i>	<i>University</i>	<i>Year</i>
	Agricultural, Civil & Env. (ACE) Engineering	University of Southern Queensland, Australia	2010
	<i>Magister Degree</i>	<i>University</i>	<i>Year</i>
	Agricultural Mechanization	Gadjah Mada University	1998
	<i>Bachelor Degree</i>	<i>University</i>	<i>Year</i>
Agricultural Mechanization	Hasanuddin University	1993	
Employment	Lecturer, Bachelor Programme of Agricultural Engineering, Faculty of Agriculture	Hasanuddin University	-present
	Head of the Department of Agricultural Technology	Hasanuddin University	2012-2018
Research and Development Projects Over the Last 5 Years	<i>Title of Research</i>	<i>Year</i>	<i>Funding</i>
	Predicting the Impact of Land-use Change on Soil Erosion Rate (Team leader)	2020	Internal Funding for Researcher, Hasanuddin University
	Land Optimization for Low Land Paddy in Mamuju Tengah, West Sulawesi (Team leader)	2021	Rp. 150.000.000 (€9177.87)
	Survey Investigation and Design of Irrigation Network Development of West Sulawesi Province (Team leader)	2022	Rp 270.000.000 (€16520.17)
	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>
	Usability Testing of an Android Application of Tractor Distribution Information System (GIS Tractor)	IOP Conf. Series: Earth and Environmental Science	Vol. 14, No. 8, April 2019

Over the Last 5 Years

	Infiltration Model Of Mediterranean Soil With Clay Texture	Jurnal Teknik Pertanian Lampung	Vol 12, No 1 (2023)
	Impact of Land Use Change on Groundwater Flow Using SWAT Model, Study Case: Tanralili Sub Watershed	<i>IOP Conf. Ser.: Earth Environ. Sci</i>	Volume 807, Smart Farming and Agricultural Engineering, 2021
	Predicting the Impact of Land-use Changes on Soil Erosion Rates in the Three Small Sub-catchments of Larona Catchment	IOP Publishing	IOP Conference Series: Earth and Environmental Science, Volume 807, Adapting Agricultural Production to Covid-19, 2021
	Design and Development of Information System for Tractors Distribution Based on Android in Maros Regency of South Sulawesi	IOP Publishing	Volume 648, 1st International Conference on Sustainable Tropical Land Management 16 - 18 September 2020, Bogor, Indonesia
	Analisis Genangan Banjir Akibat Debit Puncak di DAS Baubau Menggunakan HEC-RAS dan GIS	Jurnal Pembangunan Wilayah dan Kota	Vol 17, No 2 (2021)
	Evaluation of Land Suitability of Food Crops Commodities Based on Spatial Data in Tanete Riaja District, Barru Regency	Jurnal Agritechno	Vol. 13, Number 2, Oktober 2020
	Prediksi Debit Aliran Sub-DAS Bantimurung Menggunakan Model HEC-HMS	Jurnal Agritechno	Vol. 13, Number 1, April 2020
	Predicting the Impact of Land-use Change on Soil Erosion Rate in Ussu Sub-catchment Area and Sedimentation Yield in Malili River	IOP Publishing	Volume 486, 2020
	Land Use Assessment of Jeneberang Watershed Using Hydrology and Water Availability Analysis	IOP Publishing	Volume 473, 2020
	Climate Change Impacts Related Flood Hazard to Communities Around Bantimurung Bulusaraung National Park, Indonesia	IOP Publishing	Volume 235, 2019
	Web-Based Computer Assisted Design Dimensi Bangunan Talang & Gorong-Gorong	Jurnal AgriTechno	Vol. 11, Nomor 2, Oktober 2018
Activities in Specialist Bodies Over the Last 5 Years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	Indonesian Society of Agricultural Engineering (ISAE)	Member	1995 - Now
		National Committee	2020 - 2022
SINTA	https://sinta.kemdikbud.go.id/authors/profile/6005337		