

Staff Handbook



Name	Dr. Ir. Helmi, M. Agric.Sc		
Post (teaching area and designation)	Soil sciences, irrigation and drainage, soil and water management, soil conservation, land resources management, Agrotechnopreneurship.		
Academic career	Initial academic appointment	Institution	Year
	Doctor of Agriculture Science	Nagoya University, Japan	1998-2002
	Masters of Agriculture Science	Nagoya University, Japan	1995-1998
	Undergraduate of Soil Science	Syiah Kuala University, Indonesia	1985-1990
Employment	Position	Employer	Periode
	Senior lecturer	Syiah Kuala university	1992-2031
Research and development projects over the last years	Name of project or research focus: Testing of granular organic fertilize on rice Periode and any other information: 2021 Partners, if applicable: Government of Pidie District Amount of financing: 150.000.000		
Industry collaborations over the last 5 years	Project title: Partners:		
Patents and proprietary rights	Title: 2 HKI		Year 2020-2021
	<ol style="list-style-type: none"> HKI Program Komputer SW Balance V.1. No. EC00202078134, 28 Desember 2020 HKI Program Komputer WB OPT No. EC0020202124755, 25 Mei 2021 		
Important publications over the last 5 years	Selected recent publications from a total of approx. Total number: 7 Scopus Journals Author(s) Helmi, Hairul Basri, Sufardi, Helmi Title: <ol style="list-style-type: none"> Analysis of Soil Water Balance and Availability on Several Land Use Types for Hydrological Disaster Mitigation In Krueng Jreu Sub-Watershed. AIMS Agriculture and Food, Vol. 5, No. 4, p. 950-963, November 2020, https://www.aimspress.com/journal/agriculture DOI: 10.3934/agrfood.2020.4.950 		

	<ol style="list-style-type: none"> 2. Comparison among soil tillage system and their impacts to the tested rice varieties on lowland rainfed alluvial in Aceh Jaya. Food Research, Vol. 5, No. 41, p. 173-178, August 2021, https://www.myfoodresearch.com/uploads/8/4/8/5/84855864/22_fr-2020-680_helmi_2.pdf 3. Analysis of Soil Quality for Hydrological Disaster Mitigation in Sub-Watershed of Krueng Jreue, Aceh Besar Regency-Indonesia. Malaysian Society of Soil Science, 'Vol. 21, No. , p. 89-104, Desember 2017, https://msss.com.my/mjss/v21.php, https://msss.com.my/mjss/Full%20Text/vol21/7.Helmi.pdf 4. Flood vulnerability level analysis as a hydrological disaster mitigation effort in Krueng Jreue Sub-Watershed, Aceh Besar, Indonesia. JAMBA Journal of Disaster Risk Studies ,Vol.11, No.1,p. 1-8, September 2019, https://journals.co.za/toc/jemba/11/1, https://doi.org/10.4102/jamba.v11i1.737 5. Drought and water availability analysis for irrigation and household water needs in the Krueng Jrue sub-watershed. PeerJ Environmental Science. DOI 10.7717/peerj.14830 https://doi.org/10.7717/peerj.14830 6. Effect of irrigation methods and testing some rice cultivars against growth, root development and yield on rainfed Ultisols of Aceh Besar. IOP Conf. Series: Earth and Environmental Science 922 (2021) 012044 doi:10.1088/1755-1315/922/1/012044 7. Chicken eggshells as a soil amendment and their relationship with the morphological response of mustard plants (Brassica juncea, L.). IOP Conf. Series: Earth and Environmental Science 1116 (2022) 012056 doi:10.1088/1755-1315/1116/1/012056 												
<p>Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Organisation</th> <th style="text-align: left;"></th> <th style="text-align: left;">Periode</th> </tr> </thead> <tbody> <tr> <td>Indonesia Agronomist Association (Peragi)</td> <td>member</td> <td>2015-now</td> </tr> <tr> <td>Indonesia Soil Science Association (HITI)</td> <td>member</td> <td>1990-now</td> </tr> <tr> <td>Indonesia Soil and Water Conservation (MKT)</td> <td>member</td> <td>2015-now</td> </tr> </tbody> </table>	Organisation		Periode	Indonesia Agronomist Association (Peragi)	member	2015-now	Indonesia Soil Science Association (HITI)	member	1990-now	Indonesia Soil and Water Conservation (MKT)	member	2015-now
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