

STAFF HANDBOOK
INFORMATICS DEPARTMENT
FACULTY OF ENGINEERING
UNIVERSITAS HASANUDDIN

Name	Muhammad Niswar		
Position	Associate Professor; Director of Information Technology, Universitas Hasanuddin		
Academic Career	Initial Academic Appointment	Institution	Year
	Associate Professor	Universitas Hasanuddin	1999-now
	Habilitation (postdoctoral)	Institution	Year
	Doctorate (subject)	Institution	Year
	Informatics	Nara Institute of Science and Technology	2010-
	Master (subject)	Institution	Year
	Computer Engineering	University of Newcastle	2001-
	Undergraduate (subject)	Institution	Year
	Electrical Engineering	Universitas Hasanuddin	1997-
Employment	Position	Employer	Period
	Wireless Access Engineer	PT. Lucent Technology	1997-1998
	Instructor	Training Center Japan (TCJ), Conducting training of Cisco Network Academy	2010-2011
	Visiting Researcher	University of Washington	2012
	Director	Directorate of Information Technology, Hasanuddin University	2012-now
Research and development projects over the last 5 years	Name of project or research focus		
	Period and any other information	InSiNAS Research Grant from Ministry of Research and Technology, Indonesia (2012-2014)	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus		
	Period and any other information	C-BEST JICA Research Grant (2018)	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus	Perancangan dan Implementasi RESTful API untuk Sistem Informasi Akademik	
	Period and any other information	2019	
	Partners, if applicable		
	Amount of financing (Rp)	8.000.000	
	Name of project or research focus	IoT and AI-enabled Smart Crab Farming	
	Period and any other information	2020 - 2023	
	Partners, if applicable	Telecommunication Advancement Foundation (TAF) Japan. Mitra: NAIST, Kobe University, Universitas Hasanuddin	
	Amount of financing (Rp)		

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	Name of project or research focus	Sistem Evaluasi Kinerja Akademik Mahasiswa Berbasis Web Menggunakan Teknologi Data Mining	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing (Rp)	8.000.000	
	Name of project or research focus	Web Dashboard Untuk Monitoring dan Pengendalian Hidroponik berbasis IoT	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing (Rp)	8.000.000	
Industry collaborations over the last 5 years	Project Titles	-	
	Partners	-	
Patents and proprietary rights	Titles		Year
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	5	
	Author	Niswar, M. , Nur, M., Ilham, A.A., Mappangara, I.	
	Title	A low cost wearable medical device for vital signs monitoring in low-resource settings	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	International Journal of Electrical and Computer Engineering, 2019, 9(4), pp. 2321–2327	
	Author	Fujaya, Y., Haryati,, Sriwulan,, ...Muawwana,, Niswar, M.	
	Title	The effect of recirculating aquaculture system on blue swimming crab (Portunus pelagicus Linnaeus, 1758) instar crablet growth and survival rate	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	AACL Bioflux, 2021, 14(2), pp. 718–724	
	Author	Tan, E.-K., Chong, Y.-W., Setyawan, R.A., Niswar, M. , Mya, K.T.	
	Title	Lightweight messaging protocol for precision agriculture	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of	International Conference on Information Networking, 2021, 2021-January, pp. 403–407, 9333986	

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Activities in specialist bodies over the last 5 years	publication or name of periodical, volume, issue, page numbers		
	Author	Nurlaela, N., Niswar, M. , Nurtanio, I., ...Kashihara, S., Fall, D.	
	Title	Detection of Megalopa Phase Crab Larvae Using Digital Image Processing	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	2019 2nd International Seminar on Research of Information Technology and Intelligent Systems, ISRITI 2019, 2019, pp. 269–272, 9034609	
	Author	Prayogi, A.A., Niswar, M. , Indrabayu,, Rijal, M.	
	Title	Design and Implementation of REST API for Academic Information System	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	IOP Conference Series: Materials Science and Engineering, 2020, 875(1), 012047	
	Organization	Role	Period
	IEEE	Member	