

**STAFF HANDBOOK**  
**INFORMATICS DEPARTMENT**  
**FACULTY OF ENGINEERING**  
**UNIVERSITAS HASANUDDIN**

Name	Indrabayu		
Position	Associate Professor		
Academic Career	Initial Academic Appointment	Institution	Year
	Associate Professor	Universitas Hasanuddin	2002
	Doctorate (subject)	Institution	Year
	Expert System in Civil Engineering	Universitas Hasanuddin	2010-2013
	Masters (subject)	Institution	Year
	Telecommunication and Multimedia	Institut Teknologi 10 Nopember	2003-2005
	Undergraduate (subject)	Institution	Year
	Electrical Engineering	Universitas Hasanuddin	1994-1998
Employment	Position	Employer	Period
	Department Secretary	Universitas Hasanuddin	
Research and development projects over the last 5 years	Name of project or research focus	Sistem Deteksi Otomat pada Kendaraan untuk Mendukung Smart City	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing (Rp)	104.000.000	
	Name of project or research focus	Sistem Pakar Mitigasi Bencana Menggunakan Data Temporal dan Spasial Iklim dengan Pendekatan Hybrid dan Teknologi Big Data	
	Period and any other information	2018-2020	
	Partners, if applicable		
	Amount of financing (Rp)	91.589.100	
	Name of project or research focus	Face Recognition over Drone dan Camera Surveillance for Anti-Terrorism in Indonesia	
	Period and any other information	2019	
	Partners, if applicable	C-BEST JICA, Kyushu Institute of Technology	
	Amount of financing (Rp)	90.000.000	
	Name of project or research focus	Sistem Pendukung Tunanetra Sebagai Bagian dari Smart People di Era Digital	
	Period and any other information	2019-2021	
	Partners, if applicable		
	Amount of financing (Rp)	93.900.000	
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		

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	Name of project or research focus	Perancangan Teknologi Image Processing untuk Mendukung Model Supply Chain Management pada Industri Hulu bidang Perikanan	
	Period and any other information	2018 - 2019	
	Partners, if applicable	Universitas Al Asyariah Mandar	
	Amount of financing (Rp)		
	Name of project or research focus	Aplikasi Penghitung Jumlah Perenang Pada Kolam Renang	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing (Rp)	8.000.000	
	Name of project or research focus	Perbandingan Algoritma Kecerdasan Buatan Untuk Palikasi Curah Hujan	
	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
	Sistem Transportasi Cerdas (Tinjauan Pengkodean dengan MATLAB)	Book (000110554)	2018
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)		
	Author	Indrabayu, Y. Lesmana, A.A. Ilham, I. Nurtanio, S. Hamid	
	Title	An Intelligent Traffic Light System for Reducing Number of Queuing Cars in Complex Road Junction	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	ICIC EXPRESS LETTERS, PART B: APPLICATIONS Vol 8, No 6	
	Author	Indrabayu, Rizki Yusliana Bakti, Intan Sari Areni	
	Title	A Modified Pinhole Camera Model For Automatic Speed Detection Of Diagonally Moving Vehicle	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Journal of Engineering Science and Technology Vol. 13, No. 6 (2018), pp. 1722 – 1734	
Author	Indrabayu, Rahmat Hardian Putra, Ingrid Nurtanio, Intan Sari Areni, Anugrayani Bustamin		

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Activities in specialist bodies over the last 5 years

Title	Blob adaptation through frames analysis for dynamic fire detection	
Any other information	Indexed in Scopus	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Bulletin of Electrical Engineering and Informatics, Vol 9 No. 5, pp. 2189-2197	
Author	Basri, Tamin R, Karim H A, Indrabayu, Intan Sari Areni	
Title	Mobile image processing application for cacao's fruits pest and disease attack using deep learning algorithm	
Any other information	Indexed in Scopus	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	ICIC EXPRESS LETTER, VOL. 14 NO. 10 PP. 1121-1127 , ISSN : 2185-2766	
Author	Indrabayu,, Pallu, S., Achmad, A., Areni, I.S., Bustamin, A.	
Title	A prototype of low cost weather station for data spatial and temporal analysis	
Any other information	Indexed in Scopus	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	ICIC Express Letters, 2020, 14(11), pp. 1121–1127	
Organization	Role	Period
Institute of Electrical and Electronics Engineers (IEEE)	Member	2019-2021
International of Association of Engineers (IAENG)	Member	2019-2021
Persatuan Insinyur Indonesia (PII)	Member	2016-2021