

Name	Andi Idhil Ismail, S.T., M.Sc., Ph.D		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Assistant Professor	Kalimantan Institute of Technology	2017
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
		École Polytechnique Fédérale de Lausanne	2009-2013
	Postgraduate (subject)	Institution	Year
	Material Science and Engineering	University of Turin	2007-2008
	Undergraduate degree (subject)	Institution	Year
Mechanical Engineering	Brawijaya University	1997-2003	
Employment	Position	Employer	Period
	Assistant Professor	Kalimantan Institute of Technology	2017-now
Research and development projects over the last 5 years	Name of project or research focus	Materials for sustainable transportation system	
	Period and any other information	2018-2021	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus	Optimization criteria of titanium alloys to improve their machinability	
	Period and any other information	2014-2017	
Industry collaborations over the last 5 years	Project title	Cracker Dough Enumeration Machine With Plural Knife and Thickness arrangements	
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
	Author(s)	6	
	Author(s)	Christophe Ramirez, A Idhil Ismail , Christine Gendarme, Moukrane Dehmas, Elisabeth Aeby-Gautier, Gérard Poulachon, Frédéric Rossi	
	Title	Understanding the diffusion wear mechanisms of WC-10% Co carbide tools during dry machining of titanium alloys	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Journal Wear Vol 390 - 391, pp. 61 -70, 2017	
	Author(s)	Andi Idhil Ismail , Ridwan Haliq, M Jamil	
	Title	The study of crystallization of Mg-based bulk metallic glass (BMG)	
	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 Vol 494 Issue 1, 2019	
	Author(s)	Andi Idhil Ismail , Rasidah Rasidah, Ridwan Haliq	
	Title	Pengaruh Massa Filler-Matriks terhadap Sifat Mekanik dan Daya Serap Air pada Komposit Cangkang Biji Karet	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Rekayasa Mesin Vol. 12 Issue 2 , pp 297 - 304, 2021	
	Author(s)	Andi Idhil Ismail , Moukrane Dehmas, Elisabeth Aeby-Gautier, Benoit Appolaire	
	Title	In situ monitoring of phase transformation kinetics under rapid heating of Ti-6Al-4V titanium alloy	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Journal of Materials Research and Technology Vol. 17, pp 2518-2527, 20	
	Author(s)	Barokatun Hasanah, Firilia Filiana, Andi Idhil Ismail , Achmad Munir, Dina Herdiana	
Title	Implementation of Circular Waveguide Band Pass Filter using Artificial Dielectric Resonator for Transverse Electric Propagation Mode		
Any other information	Indexed in Scopus		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	2021 IEEE Asia Pacific Conference on Wireless and Mobile (APWiMob), pp 95 - 98, 2021		
Author(s)	Andi Idhil Ismail , Gusti Umindya Nur Tajalla		
Title	Machining Simulation of Ti-6Al-4V Alloy Using Finite Element Method (F		
Any other information	Indexed in Scopus		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	2019 6th International Conference on Electric Vehicular Technology (ICEVT), pp 119 - 123, 2019		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Illa Rizianiza, S.T., M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2015
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Industrial Instrumentation Engineering	Sepuluh Nopember Institute of Technology	2013-2015
Undergraduate degree (subject)	Institution	Year	
Instrumentation and Control	Sepuluh Nopember Institute of Technology	2006-2010	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2015-now
Research and development projects over the last 5 years	Name of project or research focus	Analysis Performance LiFePO Battery on Enggang Evo Cars	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing	IDR 19.800.000	
	Name of project or research focus	Car Braking System Design Using Mamdani Fuzzy Logic Control	
	Period and any other information	2019	
	Partners, if applicable		
	Amount of financing	IDR 12.500.000	
	Name of project or research focus	Effect of Attack Angle on Horizontal Axis Wind Turbine Performance	
	Period and any other information	2018	
	Partners, if applicable		
	Amount of financing	IDR 18.000.000	
Industry collaborations over the last 5 years	Name of project or research focus	Design to Build a Wheelchair for Children with Disabilities Using Mecanum Wheels	
	Period and any other information	2017	
	Partners, if applicable		
	Amount of financing	IDR 20.000.000	
	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
		4	
	Author(s)	Illa Rizianiza, S Devy Setiawati, Alfian Djofar	
	Title	The Effect of The Angle of Attack of the Electric Power Generated on Prototype of the Horizontal Axis Wind Turbine	
	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 Vol 494, Issue 1, 2019	
	Author(s)	Achmad Ryan Perdana, Illa Rizianiza	
	Title	Perancangan Sistem Pengendalian Menggunakan Kontroler PID pada Gerakan Pitch dan Roll untuk Stabilitas Attitude Hexacopter	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Simetris: Jurnal Teknik Mesin, Elektro dan Ilmu Komputer, Vol 11 Issue 2, pp 386 - 398, 2020	
	Author(s)	Iqra Maulana Ichsan, Illa Rizianiza	
	Title	Perbandingan Uji Kestabilan Attitude Hexacopter Pada Metode Root Locus dan Routh Hurwitz	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal METTEK Vol. 7 Issue 2, pp 57 - 65, 2021	
Author(s)	Illa Rizianiza, DM Shoodiqin		
Title	Automatic braking system using fuzzy logic method		
Any other information	Indexed in Scopus		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Journal of Physics: Conference Series Vol. 1833, Issue 1, 2021		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Diniar Mungil Kurniawati, S.T., M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2018
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	Sebelas Maret University	2015-2018
Undergraduate degree (subject)	Institution	Year	
Mechanical Engineering and System	BoGOR Agricultural Institute	2010-2014	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2018-now
Research and development projects over the last 5 years	Name of project or research focus	Vertical Axis Wind Turbine Design for Public Street Lighting	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing	IDR 15000000	
	Name of project or research focus	Numerical Simulation of The Effect of The Ratio of Diameter and Curvature Angle to Crossflow Wind Turbine Performance	
	Period and any other information	2019	
	Partners, if applicable		
	Amount of financing	IDR 15000000	
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
	Author(s)	6	
	Author(s)	Dominicus Danardano Dwi Prija Tjahjono, Syamsul Hadi, Yogo Arab Wicaksono, Diniar Mungil Kurniawati, Fahrudin Fahrudin, Ilham Satrta Utomo, Sukmajri Indro Cahyono, Ari Prasetyo	
	Title	Study on performance improvement of the Savonius wind turbine for Urban Power System with Omni-Directional Guide Vane (ODGV)	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences Vol 55 Issue 1, pp 126 - 135, 2019	
	Author(s)	Andromeda Dwi Laksono, Muhammad Faisyal, Diniar Mungil Kurniawati, Jatmoko Awali, Gilang Ramadhan, Muhammad Nurhidayaturo Rozikin	
	Title	Improved mechanical properties with the soaking time of NaOH in composites made from sugarcane bagasse fibers for future windmill blades material	
	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 Vol 1034 Issue 1, 2021	
	Author(s)	Diniar Mungil Kurniawati, Illa Rizianiza, Gad Gunawan	
	Title	Investigasi Performa Turbin Angin Crossflow Dengan Simulasi Numerik 2D	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Sains Terapan Vol 18 Issue 1, pp 7 - 12, 2020	
	Author(s)	Rahmat Wahyudi, Diniar Mungil Kurniawati, Alfian Djofar	
	Title	Effect of Slotted Angle on Savonius Wind Turbine Performance	
	Any other information	Index Copernicus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Advances in Science and Technology Vol.104 , pp 83 - 88, 2021	
	Author(s)	Sugeng Imar Fauzil, Diniar Mungil Kurniawati, Gad Gunawan, Andre Amba Matarru	
	Title	Studi Eksperimental Pengaruh Variasi Deflektor Pelat Lengkung terhadap Performa Turbin Angin Savonius Sumbu Vertikal Dua Sudu	
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Informatika, Elektronika, Mesin Vol.13(1), pp 138 - 143, 2022		
Author(s)	Diniar Mungil Kurniawati, Jordan Michael Sukanda		
Title	Simulasi Numerik Pengaruh Aspect Rati dan Sudut Serang Terhadap Performa Turbin Angin Sumbu Vertikal H-Rotor		
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Rotasi Vol 22(1), pp 22-28, 2020		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Alfian Djafar, S.T., M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment		Institution
	Assistant Professor		Kalimantan Institute of Technology
	Habilitation [German post-doctoral qualification] (subject)		Institution
			Year
	Doctorate (subject)		Institution
			Year
	Postgraduate (subject)		Institution
	Machine Construction		Hasanuddin University
Undergraduate degree (subject)		Institution	
Machine Construction		Hasanuddin University	
		Year	
Employment	Position		Employer
	Lecturer		Kalimantan Institute of Technology
Research and development projects over the last 5 years	Name of project or research focus		Potential Utilization of Biogas Energy Cow dung waste and Durian Skin as Renewable Energy desolate areas
	Period and any other information		2020
	Partners, if applicable		
	Amount of financing		IDR 15.000.000
	Name of project or research focus		Design Build Dodol Mixer Machine With 10 Kg Capacity With Pulley And Belt Transmission System
	Period and any other information		2019
	Partners, if applicable		
	Amount of financing		IDR 20.000.000
	Name of project or research focus		Design a Enggang Evo 2 Electric Car
	Period and any other information		2018
	Partners, if applicable		
	Amount of financing		IDR 35.000.000
	Name of project or research focus		Design a Horizontal Axis Wind Turbine With 3 blade Case study of Kalimantan Institute of Technology
	Period and any other information		2018
	Partners, if applicable		
	Amount of financing		IDR 18.500.000
	Name of project or research focus		Design Stair Climbing Trolley for 40 kg Carrying Capacity
	Period and any other information		2018
	Partners, if applicable		
	Amount of financing		IDR 10.000.000
Name of project or research focus		Design to Build a Wheelchair for Children with Disabilities Using Mecanum Wheels	
Period and any other information		2017	
Partners, if applicable			
Amount of financing		IDR 20.000.000	
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(give total number):		23
	Author(s)		Alfian Djafar, Widya Hadiprasetyo
	Title		Analisis Struktur Chassis Mobil Listrik Enggang EVO Terhadap Beban Statik
	Any other information		Indexed in SINTA
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers		Journal Traksi Vol. 20 Issue 2, pp 122- 133, 2020
	Author(s)		Alfian Djafar, Muhammad Gilang Kentjana, Reza Kristiyanto, Yusuf Afudin
	Title		RANCANG BANGUN AUTOMATIC HAND WASHING STATION DENGAN MENGGUNAKAN MIKROKONTROLLER ARDUINO UNO R3
	Any other information		Indexed in SINTA
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers		EduMatSains: Jurnal Pendidikan, Matematika dan Sains Vol. 6 Issue 1, pp 175 - 186, 2021
	Author(s)		Alfian Djafar, Gad Gunawan, Daddy Suanggana, Happy Aprilia
	Title		Perancangan Sistem Sprinkler pada Gedung Perkuliahan E, f, g
	Any other information		Indexed in SINTA
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers		Journal G-Tech Vol. 6 Issue 1, pp 59 - 67, 2022	
Author(s)		Alfian Djafar, Mahrus Ali Fatoni	
Title		PERANCANGAN MESIN SINGLE SCREW EXTRUDER UNTUK DAUR ULANG PLASTIK LDPE MENJADI FILAMENT FEED 3D PRINTING	
Any other information		Indexed in SINTA	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers		Jurnal Ilmiah Teknologi dan Rekayasa Vol 26 Issue 3, pp 205 - 217, 2022	
Activities in specialist bodies over the last 5 years	Organization		Role
			Periode

Name	Doddy Suanggana, S.T.,M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2019
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	Hasanuddin University	2012-2014
	Undergraduate degree (subject)	Institution	Year
Mechanical Engineering	Hasanuddin University	2005-2011	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2019-now
Research and development projects over the last 5 years	Name of project or research focus	Factory Layout Redesign with Systematic Layout Planning (SLP) Method at Plant Welding Shop PT. Sanggar Sarana Baja	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus	Potential Utilization of Biogas Energy Cow dung waste and Durian Skin as Renewable Energy desolate areas	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing	IDR 15.000.000	
	Name of project or research focus	Design Build Dodal Mixer Machine With 10 Kg Capacity With Pulley And Belt Transmission System	
	Period and any other information	2019	
	Partners, if applicable		
	Amount of financing	IDR 20.000.000	
	Name of project or research focus	Design and Implementation of Quality Assurance Management Information System in Universities	
	Period and any other information	2018-2020	
	Partners, if applicable		
	Amount of financing	IDR 204.850.000	
Name of project or research focus	Bioethanol Distillation From Nipah Using Flat Plate Solar Collector		
Period and any other information	2018		
Partners, if applicable			
Amount of financing	IDR 10.000.000		
Name of project or research focus	Effect of Fiber Placement Position On Tensile Strength and Bending Of Resin-Epoxy Composite Material Nenas Raja Fiber (Agve Cantula Roxb) For Fishing Boat Hull		
Period and any other information	2017		
Partners, if applicable			
Amount of financing	IDR 20.000.000		
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):	16	
	Author(s)	Doddy Suanggana, Hadhimas Dwi Haryono, Alfian Djafor, Jordy Irawan	
	Title	Potensi Produksi Biogas dari Anaerobic Digestion Kotoran Sapi dan Kulit Nanas sebagai Sumber Energi Rice Cooker Biogas	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	G-Tech: Jurnal Teknologi Terapan Vol 6 Issue 2, pp 1 - 7, 2022	
	Author(s)	Putra Ivannah Hakim, Hadhimas Dwi Haryono, Doddy Suanggana	
	Title	Desain UlangTata Letak Pabrik Dengan Metode Systematic Layout Planning (SLP) Di Plant Welding Shop PT. Sanggar Sarana Baja	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Teknolvasi: Jurnal Teknik dan Inovasi Vol. 8 Issue 2, pp 77 - 90, 2021	
	Author(s)	Doddy Suanggana, Alfian Djafor, Gad Gunawan	
	Title	Analisis Pemanfaatan Energi Biogas Dari Campuran Limbah Kotoran Sapi Dan Kulit Durian Sebagai Energi Alternatif	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	JTT (Jurnal Teknologi Terpadu) Vol 8 Issue 2, pp 119 - 125, 2020	
	Author(s)	Doddy Suanggana, Faisal Manta, Gilang Ramadhan	
	Title	Analisis Jumlah dan Sudut Blade terhadap Kecepatan dan Tekanan Turbin Air Savonius dengan Metode CFD	
	Any other information	Indexed in SINTA	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	JTM-ITI (Jurnal Teknik Mesin ITI) Vol. 5 Issue 3, pp 119 - 129, 2021		
Author(s)	Gerard Antonini Duma, Doddy Suanggana		
Title	Distillation of Bioethanol From Nypa Using Flat Plate Solar Collector		
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Teknik Mesin Vol. 8 Issue 1, pp 1 - 4, 2018		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Andre Amba Matarru, S.T., M.Han		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2021
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Energy Security	Indonesia Defense University	2018-2020
Undergraduate degree (subject)	Institution	Year	
Mechanical Engineering	Hasanuddin University	2012-2017	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2021 - now
Research and development projects over the last 5 years	Name of project or research focus	Energy Efficient Car Vehicle Design	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing	IDR 23.383.000	
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
		1	
	Author(s)	Faisal Manta, Andre Amba Matarru, Alip Suhada	
	Title	Analisis Performa Turbin Gas dengan Variasi Beban di PT. Pupuk Kaltim	
	Any other information	Indexed in SINTA	
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	ELEMEN Jurnal Teknik Mesin Vol.8 Issue 2, pp. 115-122, 2021		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Chaerul Qalbi AM, S.T., M.Sc		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2021
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	Kookmin University	2019-2021
Undergraduate degree (subject)	Institution	Year	
Mechanical Engineering	Kalimantan Institute of Technology	2013-2017	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2021 - now
	Position	Employer	Period
	Estimator and Scheduler	PT Pertamina RU V	2017- 2019
Research and development projects over the last 5 years	<i>Name of project or research focus</i>	Pemanfaatan Limbah Bubuk Kopi (Spent Coffee Grounds) Sebagai Elektro	
	<i>Period and any other information</i>	2021	
	<i>Partners, if applicable</i>		
	<i>Amount of financing</i>		
Research and development projects over the last 5 years	<i>Name of project or research focus</i>	Development of Battery Thermal Management System Module On Electric Motorcycles For Improved Battery Performance	
	<i>Period and any other information</i>	2021	
	<i>Partners, if applicable</i>		
	<i>Amount of financing</i>	Rp 15.000.000	
Industry collaborations over the last 5 years	<i>Project title</i>		
	<i>Partners</i>		
Patents and proprietary rights	Title	Year	
	-	-	-
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number):</i>		
	<i>Author(s)</i>		
	<i>Title</i>		
	<i>Any other information</i>		
	<i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i>		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode
	Indonesian Engineers Association	Member	2021-now

Name	Faisal Manta S.T., M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2017
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	Sepuluh Nopember Institute of Technology	2013-2017
Undergraduate degree (subject)	Institution	Year	
Mechanical Engineering	Sepuluh Nopember Institute of Technology	2008-2012	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2017-now
Research and development projects over the last 5 years	Name of project or research focus		Analysis Biogas Production of Balikpapan City Market Waste
	Period and any other information		2021
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus		Optimization of Salted Fish Production of Balikpapan City Coastal Area With Mechanization of Drying Process
	Period and any other information		2020-2021
	Partners, if applicable		
	Amount of financing		IDR 8.000.000
	Name of project or research focus		Cracker Dough Enumeration Machine With Plural Knife and Thickness Setting
Period and any other information		2018-2019	
Partners, if applicable			
Amount of financing		IDR 35.000.000	
Industry collaborations over the last 5 years	Project title		Design ITK electric car engine
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
			7
	Author(s)	Faisal Manta, Hadhimas Dwi Haryono, Risdianto Ardani	
	Title	ANALISA TINGKAT RESIKO PADA KOMPONEN PEMBANGKIT LISTRIK DI KOTA BALIKPAPAN DENGAN METODE FMEA	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Sains Terapan Vol 6 Issue 1, pp 8 -15, 2020	
	Author(s)	Daddy Suanggana, Faisal Manta, Gilang Ramadhan	
	Title	Analisis Jumlah dan Sudut Blade terhadap Kecepatan dan Tekanan Turbin Air Savonius dengan Metode CFD	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	JTM-ITI (Jurnal Teknik Mesin ITI) Vol. 5 Issue 3, pp 119 - 129, 2021	
Author(s)	Faisal Manta, Andre Amba Matarru, Alip Suhada		
Title	Analisis Performa Turbin Gas dengan Variasi Beban di PT. Pupuk Kaltim		
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	ELEMEN Jurnal Teknik Mesin Vol.8 Issue 2, pp. 115-122, 2021		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Gad Gunawan, S.T.,M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2019
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
Mechanical Engineering	Bandung Institute of Technology	2016-2018	
Undergraduate degree (subject)	Institution	Year	
Mechanical Engineering	Hasanuddin University	2008-2013	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2019-now
Research and development projects over the last 5 years	Name of project or research focus	Utilization of Coffee Powder Waste (Spent Coffee Grounds) as Electrolytes for Bio Battery Applications	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing	IDR 18.065.000	
	Name of project or research focus	Mechanical Planning of Sustainable Building Buildings on the Campus of the Kalimantan Institute of Technology	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing	IDR 10.000.000	
	Name of project or research focus	Testing the Effect of The Number of Blade on the Performance of Archimedes Threaded Turbines	
	Period and any other information	2021	
	Partners, if applicable		
	Amount of financing	IDR 15.000.000	
	Name of project or research focus	Design Vertical Axis Wind Turbines As An Alternative to Public Street Lighting Case Study Balikpapan – Samarinda High Way	
	Period and any other information	2020	
	Partners, if applicable		
	Amount of financing	IDR 15.000.000	
	Name of project or research focus	Potential Utilization of Biogas Energy Cow dung waste and Durian Skin as Renewable Energy desolate areas	
	Period and any other information	2020	
Partners, if applicable			
Amount of financing	IDR 15.000.000		
Name of project or research focus	Testing the Effect of Deflector Shape and Angle on Turbines		
Period and any other information	2020		
Partners, if applicable			
Amount of financing	IDR 15.000.000		
Name of project or research focus	Design Build Dodol Mixer Machine With 10 Kg Capacity With Pulley And		
Period and any other information	2019		
Partners, if applicable			
Amount of financing	IDR 20.000.000		
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title		Year
	-		-
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(give total number):	6	
	Author(s)	Fakhrul Widyantama, Dody Suanggana, Gad Gunawan	
	Title	Simulasi CFD Pengaruh Penggunaan Deflektor Pelat Lengkung terhadap Performa Turbin Air Savonius Sumbu Vertikal Dua Sudu	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Rekayasa Mesin Vol 16 Issue 2, pp 234 - 240, 2021	
	Author(s)	Gad Gunawan , Dody Suanggana, Yun Tonce Kusuma Priyanto	
	Title	Effect Of Deflector Angle Into Various Blades Configuration Of Single Stage Vertical Axis Savonius Hydro Turbine Performance	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	FLYWHEEL: Jurnal Teknik Mesin Untirta Vol. 6 Issue 2, pp 1 - 6, 2020	
	Author(s)	Dody Suanggana, Alfian Djofer, Gad Gunawan	
	Title	Analisis Pemanfaatan Energi Biogas Dari Campuran Limbah Kotoran Sapi Dan Kulit Durian Sebagai Energi Alternatif	
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	JTT (Jurnal Teknologi Terpadu) Vol 8 Issue 2, pp 119 - 125, 2020		
Author(s)	Sugeng Imar Fauzil, Diniar Mungil Kurniawati, Gad Gunawan , Andre Amba Matarru		
Title	Studi Eksperimental Pengaruh Variasi Deflektor Pelat Lengkung terhadap Performa Turbin Air Savonius Sumbu Vertikal Dua Sudu		
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Informatika, Elektronika, Mesin Vol .13(1), pp 138 - 143, 2022		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Ridhwan Haliq S.T., M.T.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2017
	Habilitation [German post-doctoral qualification] (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Material and Metallurgical Engineering	Sepuluh Nopember Institute of Technology	2013-2014
Undergraduate degree (subject)	Institution	Year	
Material and Metallurgical Engineering	Sepuluh Nopember Institute of Technology	2010-2014	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2017-now
Research and development projects over the last 5 years	Name of project or research focus	Analysis of The Effect of Variations in Operating Parameters on Particulate Composite Product Results From Coffee Bean Waste On Simple Injection Molding Machine Design	
	Period and any other information	2020-2021	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus	Utilization of Spent Coffee Grounds With Hydrolic Acid (HCl) as Electrolyte for Bio-Battery Applications	
	Period and any other information	2020-2021	
	Partners, if applicable		
	Amount of financing		
	Name of project or research focus	Design Stair Climbing Trolley for 40 kg Carrying Capacity	
	Period and any other information	2018-2019	
	Partners, if applicable		
	Amount of financing		
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
		15	
	Author(s)	Ridhwan Haliq, Ammar Farhan Rayudi, Abdi Suprayitno	
	Title	The Effect of Filler Composition and Shape to Sound Capability Insulation and Modulus Elasticity Natural Fiber Galam Wood (Melaleuca Leucadendra)-Polyester	
	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 Vol. 494 Issue 1, 2019	
	Author(s)	Andi Idhil Ismail, Ridwan Haliq, M Jamil	
	Title	The study of crystallization of Mg-based bulk metallic glass (BMG)	
	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 Vol 494 Issue 1, 2019	
	Author(s)	Andi Idhil Ismail, Rasidah Rasidah, Ridwan Haliq	
	Title	Pengaruh Massa Filler-Matriks terhadap Sifat Mekanik dan Daya Serap Air pada Komposit Cangkang Biji Karet	
	Any other information	Indexed in SINTA	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Jurnal Rekeyasa Mesin Vol 12 Issue 2, pp 297 - 304, 2021	
	Author(s)	Ridhwan Haliq, Alfian Djafar, Gad Gunawan	
Title	Pengaruh Variasi Temperatur Injeksi Pada Rancang Bangun Mesin Injection Molding Untuk Hasil Produk Particulate Composite		
Any other information	Indexed in SINTA		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Risenologi : Jurnal Sains, Teknologi, Sosial, Pendidikan, dan Bahasa Vol 7, pp 64 -73, 2022		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Devy Setiorini Sa'adiyah, S.T., M.S.		
Position	Assistant Professor		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2016
	Habilitation (subject)	Institution	Year
	-	-	-
	Doctorate (subject)	Institution	Year
	Mechanical Engineering	Kobe University	2019-now
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	National Cheng Kung University	2013-2016
	Undergraduate degree (subject)	Institution	Year
Mechanical Engineering	Sepuluh Nopember Institute of	2009-2013	
Employment	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2016-now
Research and development projects over the last 5 years	Name of project or research focus	Development of numerical prediction technology for high vapor phase flow rate and high particle concentration slurry bubble column with physical absorption and chemical absorption	
	Period and any other information	2018-2021	
	Partners, if applicable	Kakenhi	
	Amount of financing		
	Name of project or research focus		
	Period and any other information		
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	-	-	-
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
	Author(s)	5	
	Author(s)	Galih Bangga, Mochammad Solichin, Aida Daman, Devy Sa'adiyah, Amgad Dessoky, Thorsten Lutz	
	Title	Aerodynamic performance of a small vertical axis wind turbine using an overset grid method	
	Any other information	Indexed in SCOPUS	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	AIP Conference Series Vol. 1867 Issue 1, 2017	
	Author(s)	Ika Ismail, Devy Sa'adiyah, Putri Rahajeng, Abdi Suprayitno, Rocky	
	Title	Extraction of cellulose microcrystalline from galam wood for biopolymer	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	AIP Conference Series Vol. 1945 Issue 1, 2018	
	Author(s)	Galih Bangga, Andri Ashfahani, Erik Sugianto, Devy Sa'adiyah, Tiara Putri, Eva Jost, Thorsten Lutz	
	Title	Three-dimensional flow in the vicinity of a circular cylinder mounted to a flat plate at high Reynolds number	
	Any other information	Indexed in Scopus	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	AIP Conference Proceedings Vol. 1788 Issue 1, 2017	
	Author(s)	Devy Setiorini Sa'adiyah, Yuki Matsuo, Michael Schlüter, Ryo Kurimoto, Kosuke Hayashi, Akio Tomiyama	
	Title	Effects of chemical absorption on mass transfer from single carbon dioxide bubbles in aqueous sodium hydroxide solution in a vertical pipe	
Any other information	Indexed in Scopus		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Chemical Engineering Science Vol. 245 pp 1 - 11, 2021		
Author(s)	Devy Setiorini Sa'adiyah, Kosuke Hayashi, Ryo Kurimoto, Akio Tomiyama		
Title	Spatial Evolution of CO ₂ -Contaminated Water Bubble Flows in a Vertical Pipe		
Any other information	Indexed in Scopus		
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	Chemie Ingenieur Technik Vol. 93 Issue 1-2 pp 247 - 259, 2021		
Activities in specialist bodies over the last 5 years	Organization	Role	Periode

Name	Kholiq Deliasgarin Radyantho, S.T., M.T.		
Position	Lecturer		
Academic Career	Initial academic appointment	Institution	Year
	Lecturer	Kalimantan Institute of Technology	2021
	Habilitation (subject)	Institution	Year
	Doctorate (subject)	Institution	Year
	Postgraduate (subject)	Institution	Year
	Mechanical Engineering	Sepuluh Nopember Institute of	2019-2021
Employment	Undergraduate degree (subject)	Institution	Year
	Mechanical Engineering	Sepuluh Nopember Institute of	2010-2014
	Position	Employer	Period
	Lecturer	Kalimantan Institute of Technology	2022-now
	Piping Engineer, Mechanical	PT. Goautama Sinarbatuah	2018-2019
	Mechanical Engineer, Freelance	PT. ITS Tekno Sains	2017-2021
	3D Designer and 3D Printing	Freelance	2020-2021
Research and development projects over the last 5 years	Name of project or research focus		
	Period and any other information		
	Partners, if applicable		
	Amount of financing		
Industry collaborations over the last 5 years	Project title		
	Partners		
Patents and proprietary rights	Title	Year	
	SEPEDA PASCA STROKE DAN PROSEDUR PEMAKAIANNYA UNTUK REHABILITASI	2020	
Important publications over the last 5 years	Selected recent publications from a total of approx. (give total number):		
	Author(s)	Kholiq D Radyantho, Batan I Made Londen, Rosadila Febritasari	
	Title	Experimental study of Mandrel's effect on rotary draw bending process of aluminium 6061 pipe	
	Any other information	Indexed	
	Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers	AIP Conference Series Vol. 2384 Issue 1, 2021	
Activities in specialist bodies over the last 5 years	Organization	Role	Periode
	Mechanical Engineering Post Graduate Student's Union	Head of Student	2017-2018

Name	Muchammad Jamil, S.T., M.T		
Position	Lecturer		
Academic Career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	Lecturer	Kalimantan Institute of Technology	2017
	<i>Habilitation (subject)</i>	<i>Institution</i>	<i>Year</i>
	<i>Doctorate (subject)</i>	<i>Institution</i>	<i>Year</i>
	<i>Postgraduate (subject)</i>	<i>Institution</i>	<i>Year</i>
Mechanical Engineering	Sepuluh Nopember Institute of	2015-2017	
<i>Undergraduate degree (subject)</i>	<i>Institution</i>	<i>Year</i>	
Mechanical Engineering	Sepuluh Nopember Institute of	2012-2014	
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	Kalimantan Institute of Technology	2017-now
Research and development projects over the last 5 years	<i>Name of project or research focus</i>		
	<i>Period and any other information</i>		
	<i>Partners, if applicable</i>		
	<i>Amount of financing</i>		
Industry collaborations over the last 5 years	<i>Project title</i>		
	<i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number):</i>		
	<i>Author(s)</i>		
	<i>Title</i>		
	<i>Any other information</i>		
	<i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i>		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Periode</i>