CURRICULUM VITAE

A. Personal Identity

1.	Full Name (with Titles)	:	Prof Dr Ir. Mochamad Ashari, M.Eng, IPU, AEng.
2.	Functional Position	:	Professor
3.	Structural Position	:	Rector
4.	NIP	:	196510121990031003
5.	NIDN	:	0012106504
6.	Office Address	:	Electrical Engineering Departement, Building B, C and AJ Campus Institut Teknologi Sepuluh Nopember, Keputih, Sukolilo District, Surabaya City, East Java 60111
7.	Phone / Fax. Number(s)	:	+6231-5947302 / +6231-5931237

B. Educational Background

	Undergraduate	Postgraduate	Doctoral
Name of Institution	ITS, Indonesia	Curtin Univ, Australia	Curtin Univ, Australia
Field of Study	Electrical Engineering	Electrical Engineering	Electrical Engineering
Year of Enrollment - Graduation	1984-1989	1995-1997	1998-2002

C. Brief Description of Research Relevant to Scientific Development in the Field of Study

Research topic on power electronics for several applications, including on electricity system, renewable energy system, electric vehicle system, and industrial and household appliances.

The topic of discussion “Power Electronics” is part of electrical engineering knowledge that must be studied, mastered, and developed by electrical engineering students with specializations in power system engineering.

Google Scholar ID: M. Ashari
https://scholar.google.com/citations?hl=en&user=KgEIdj4AAAAJ&view_op=list_works&sortby=pubdate

D. Research Experience within the Last Five Years

No	Year	Research Title	Source of Funding
1	2020	RANCANG BANGUN KENDALI TEGANGAN DAN FREKUENSI PADA SISTEM KELISTRIKAN DI PULAU TERPENCIL DENGAN PEMBANGKIT PV-WIND TURBINE-FUEL CELL BERBASIS FUZZY LOGIC CONTROL UNTUK MENDUKUNG KEMANDIRIAN ENERGI BARU TERBARUKAN NASIONAL *(Design of Frequency and Voltage Control on Electricity System on Remote Island with Fuzz Logic Control-based PV Wind Turbine-Fuel Cell in Support for National Renewable Energy Independence)*	Ministry of Research and Technology – National Research and Innovation Agency of the Republic of Indonesia Higher Education Excellence Applied Research
2	2020	RANCANG BANGUN DETEKSI DAN MITIGASI PENGARUH TINGKAT POLUTAN PADA PHOTOVOLTAIC BERBASIS FUZZY LOGIC DI PULAU TERPENCIL UNTUK MENDUKUNG KEMANDIRIAN ENERGI BARU TERBARUKAN NASIONAL *(Design of Detection and Mitigation of the Effect of Pollutant Levels on Fuzzy Logic-based Photovoltaic in Remote Islands to Support National Renewable Energy Independence)*	Ministry of Research and Technology – National Research and Innovation Agency of the Republic of Indonesia Higher Education Excellence Fundamental Research
3	2019	DESAIN OPTIMALISASI SISTEM BATERAI LAUT 3 PHASA BERBASIS ARTIFICIAL INTELLIGENCE UNTUK MENDUKUNG KEMANDIRIAN ENERGI BARU TERBARUKAN NASIONAL *(Design of the Optimalisation of Artificial Intelligence-based 3-Phase Battery System to Support the National Renewable Energy Independence)*	Ministry of Research and Technology – National Research and Innovation Agency of the Republic of Indonesia Higher Education Excellence Applied Research
4	2019	Infrastruktur Listrik, Telekomunikasi Seluler, dan Internet-of-Things Networks untuk Pengembangan Sumber Daya Manusia di Daerah Terdepan, Terluar, Tertinggal (T3LESDM-Net) *(Electricity Infrastructure, Cellular Telecommunication, and Internet-of-Things Networks for the Development of Human Resources in underdeveloped areas (T3LESDM-Net))*	Ministry of Research and Technology – National Research and Innovation Agency of the Republic of Indonesia World Class Research
5	2018	Desain Optimalisasi Sistem Baterai Laut 3 Phasa Berbasis Artificial Intelligence Untuk Mendukung Kemandirian Energi Baru Terbarukan Nasional *(Optimalisation Design of Artificial Intelligence-based 3-Phase Sea Battery System to Support the National Renewable Energy Independence)*	Ministry of Research and Technology – National Research and Innovation Agency of the Republic of Indonesia Higher Education Excellence Applied Research

E. Community Service Experience within the Last Five Years

No	Year	Research Title
1	2020	AUTOMATIC SOLAR SPRINKLER BERBASIS SENSOR HUMIDITY DILENGKAPI DENGAN REAL TIME MONITORING SYSTEM GUNA MENDUKUNG KONSEP EKOWISATA DI KAWASAN WATU RUMPUK, KABUPATEN MADIUN *(Humidity Sensor-based Automatic Solar Sprinkler Equipped with Real Time Monitoring System for Supporting Eco-Tourism Concept in Watu Rumpuk Area, Madiun District)*
2	2019	PENERAPAN TEKNOLOGI MULTIKONTROL HIDROPONIK BERBASIS ENERGI MATAHARI GUNA MENINGKATKAN PRODUKTIVITAS SAYURAN DI KAMPOENG HIDROPONIK MALANG *(Application of Solar Energy-based Hydroponic Multicontrol Technology to Increase the Productivity of Vegetables in Kampoeng Hidroponik Malang)*
3	2019	PENERAPAN PEMBANGKIT LISTRIK TENAGA SURYA (PLTS) UNTUK ELEKTRIFIKASI DAERAH PARIWISATA PANTAI WEDI AWU KAB. MALANG *(Application of Solar Energy Power Generator for the Electrification of Wedi Awu Beach Tourism Area, Madiun District)*
4	2019	PENERAPAN ECO SUN WATER PUMPING DILENGKAPI TEKNOLOGI AUTOMATIC TRANSFER SWITCH DAN SISTEM MPPT (MAXIMUM POWER POINT TRACKING) UNTUK SISTEM PENGAIRAN AIR WUDLU MASJID DI SMK MUHAMMADIYAH 1 TAMAN, SIDOARJO *(Application of Eco Sun Water Pumping Equipped with Automatic Transfer Switch and MPPT (Maximum Power Point Tracking) Systems for Ablution Water Irrigation System in Muhammadiyah 1 Vocational High School Mosque in Sidoarjo)*
5	2018	MPPT dengan P & O pada Pembangkit Listrik Tenaga Sel Fotovoltaic Sebagai Catu Daya Motor-Pompa Air Irigasi di Desa Mentoro - Kabupaten Jombang *(MPPT with P & O on Photovoltaic Cell Power Generator as Motor-Pump Power Supply for Water Irrigation in Mentoro Village – Jombang District)*

F. Experience Writing in the Journal of Scientific Articles Within the Last Five Years

No	Scientific Article Title	Vol/No/Year	Title of Journal
1	Predictive Duty Cycle of Maximum Power Point Tracking Based on Artificial Neural Network and Bootstrap Method for Hybrid Photovoltaic/ Wind Turbine System Considering Limitation Voltage of Grid	04/02/2020	JAREE
2	Combined Error Adaptive Fuzzy–PI for Reducing DC Voltage Ripple in Three-Phase SPWM Boost Rectifier Under Unbalanced DGs System	13/03/2020	International Journal of Intelligent Engineering and Systems
3	Novel of Vertical Axis Wind Turbine with Variable Swept Area Using Fuzzy Logic	13/03/2020	International Journal of Intelligent Engineering

	Controller		and Systems
4	Design of Bidirectional DC-DC Cuk Converter for Testing Characteristics of Lead-Acid Battery	Vol. 96	Przegląd Elektrotechniczny
5	Optimal Control of Robotic Arm System to Improve Flux Distribution on Dual Parabola Dish Concentrator	13/01/2020	International Journal of Intelligent Engineering and Systems
6	Designing and modeling a novel dual parabolic concentrator with three degree of freedom (DOF) robotic arm	Vol 194	Solar Energy
7	A Computer-based Monitoring and Controlling System for PV-Wind Generator-Battery System	02/02/2020	Journal of Power Electronics & Power Systems

G. Experience on Oral Delivery of Paper on a Conference/Seminar within the Last Five Years

No	Name of Conference	Scientific Article Title	Time and Place
1	iSEMANTIC	Journal of Power Electronics & Power Systems	2019
2	iSITIA	A Design of Diode-Clamped 11-Level Inverter and Its Harmonic Effect on Transformer Losses	2020
3	iSITIA	A Design of Diode-Clamped 11-Level Inverter and Its Harmonic Effect on Transformer Losses	2020
4	E3S Web of Conference	Vertical Axis Wind Turbine Improvement using DC-DC Boost Converter	2020
5	IEEE CENCON	Implementation of an 11-Level Inverter for Sea Water Battery System	2019

H. Experience on Book-Writing within the Last Five Years (Modul in soft form – My classroom)

No	Book Title	Year	No. of Pages	Publisher
1	Desain Konverter Elektronika Daya *(Power Electronics Converter Design)*	2017	200	Informatika press Bandung
2	Desain Sistem Konverter AC *(AC Converter System Design)*	2015	180	ITSpress Surabaya
3	Konverter DC, Desain Rangkaian Elektronika Daya *(DC Converter, Electronics Power Circuit Design)*	2012	170	ITSpress Surabaya

I. Experience on Training Program

No	Name of Training Program	Time and Place	Organizer
1			
2			

J. Acquisition of Intellectual Property Rights within the Last Five to Ten Years

No	Title/Theme of Intellectual Property Rights	Year	Type	Registration Number
1				
2				

K. Experience in Formulating Other Public Policy/Social Engineering within the Last Five Years

No	Title/Theme/Type of Already Implemented Social Engineering	Year	Place of Implementation	Public Response
1				
2				

L. Awards within the Last Ten Years (from the Government, Associations, or other Institutions)

No	Type of Awards	Awarding Institution	Year
1			
2			

All of the filled data dan written in the personal identity are true and can be accounted legally. If in the future, a discrepancy occurs, I will accept the risk.

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