



Gigih Gumilar

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WORKING EXPERIENCES

2012	Internship engineer as technician at PT.Purinusa Eka Persada
2016 & 2017	Laboratory Assistant for basic electronic practicum
2017	Laboratory Assistant for basic control system practicum
2017	Laboratory Assistant for analog tehcnic practicum
2017	Laboratory Assistant for embedded system practicum
2019-2020	Product Specialist Staff at PT.Multiguna Ciptasentosa

RESEARCHING EXPERIENCES

2016 & 2017	Researcher at Automation Laboratory for “Design and Implementation a Nutrition Flowrate Monitoring System in a NFT Hydroponic System”
2018	Researcher at Electronics Laboratory for “Design and Implementation an Inertial Measurement Unit Sensor Based Electronic Fall Detection System”

ORGANIZATIONAL EXPERIENCES

2013 – 2017	Member of <i>Himpunan Mahasiswa Elektro</i> (HME) Itenas Bandung
2014 – 2015	Member of INKU
2015	Member of IES (Itenas Enterpreneurship Student)

EDUCATION

2010 – 2013	Graduated from Audio/Video Engineering at Vocational High School 4 Bandung
2013 – 2018	Bachelor degree in Electronics Engineering, National Institute of Technology • Cumulative GPA : 3.08
2018	Practical Training for PCB Design conducted by IEEE Itenas Student Branch

EXTRACURRICULAR/CO-CURRICULAR ACTIVITIES

2013	“Pelatihan Dasar Pengembangan Diri”, ITENAS
2014	“Pelatihan Dasar Pengembangan Relasi”, ITENAS
2014	Protokoller at “Penerimaan Mahasiswa Baru ITENAS 2014”, ITENAS
2014	Protokoller at “WISUDA ITENAS 2014”, ITENAS
2015	“Pelatihan Dasar Pengembangan Jiwa Kepemimpinan”, ITENAS
2015	Protokoller at “Penerimaan Mahasiswa Baru ITENAS 2015”, ITENAS
2015	Consumption comitte member at “Nihongo no Jikan ni Awase (NINJA)”, INKU
2016	“Pelatihan Dasar Pengembangan Jiwa Kewirausahaan”, ITENAS
2013	“Seminar Otomasi Industri ItEC 2013”, ITENAS

2017	"Seminar ELDAY 2017: alternate power education", ITENAS
2015	"Seminar Nasional: Kemajuan Teknologi di Era Globalisasi Dewasa ini", POLBAN
2015	Logistic committee coordinator at "Origami no Monogatari 2", INKU
2016	Consumption committee member at "ELDAY 2016", HME ITENAS
2017	Public relations committee coordinator at "TECHNOCIVITIES & Robot Competition Electro Itenas 2018", HME ITENAS
2017	Treasurer comitte at "KUNJUNGAN INDUSTRI ITENAS 2017", HME ITENAS
2017	Event comitte member at "PROPAGASI", HME ITENAS

PUBLICATION/PAPER

2018	TELKA: Sistem Pendeteksi Jatuh Wireless Berbasis Sensor Accelerometer
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SKILLS

Programing Language (C/C++/Python/HTML&CSS basic)
Circuit Design (Eagle/Proteus/KiCad)
Simulation (Proteus/PSpice)
IDE (Arduino/CV-AVR/Notepad++/Sublime Text)
Adobe (Pr/Ae)
Design (Fritzing/Visio)
Microsoft Office

PROJECTS

Running text based on AT89L01
DC Power supply 12 Volt
Pre Amp Mic
Stereo audio amplifier
Height measurement based on ultrasonic sensor
Plant Autowatering system based on moisture sensor
Flowrate detection system for hydroponic NFT system
Fall detection system based on Inertial Measurement Unit (IMU)

LANGUAGE COMPETENCY

Indonesian	Mother language
English	Good