

CURRICULUM VITAE

PERSONAL DATA

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CAREER OBJECTIVITY

Finding challenge on progressive organization that provides opportunities to start career and developing self-competencies in hard-skills and soft-skills.

EDUCATION TIMELINE

Sep 2018 – Aug 2022 **President University**, Bekasi
<http://www.president.ac.id>
Electrical Engineering, Control Systems Concentration – GPA 3.44 out of 4.00

Oct 2013 – Jul 2016 **Bandung Institute of Technology (ITB)**, Bandung
<http://www.itb.ac.id>
Metrology and Instrumentation (Vocational Program) – GPA 2.79 out of 4.00

WORKING EXPERIENCES

Feb 2021 – present	President University , Bekasi https://www.president.ac.id <i>Part-time Research Assistant</i> Responsibilities and achievements: <ul style="list-style-type: none">• Doing some documentation mandated by the research supervisor• Evaluating and editing the journal that will be submitted to the publisher• Conducting research along with the supervised active students• Currently have 4 published and 2 submitted publications
Aug 2022 – Nov 2022	PT. Abadi Baru Teknikatama (ABT) , North Jakarta http://www.abadibaru.com <i>Technical Support & Service Engineer Supervisor</i> Responsibilities and achievements: <ul style="list-style-type: none">• Controlling and handling assignments as a Service Engineer and also performing supervision and management tasks• Accepting inquiries from customers including a list of problems occurred related to the equipment at the plant and finding solutions along with the team• Decided to fairly refuse the full-time worker offer after probation

Nov 2016 – Aug 2022	<p>PT. Gunung Raja Paksi Tbk. (Gunung Steel Group), Kabupaten Bekasi http://www.gunungrajpaksi.com <i>Electrical Maintenance Engineer</i></p> <p><u>Responsibilities and achievements:</u></p> <ul style="list-style-type: none"> • Handling responsibilities in low-current electrical circuits, components and control systems (Programmable Logic Controller (PLC) and Computerized Numerical Control (CNC)) • Scheduling maintenance and keeping <i>machinery shutdown time</i> of production less than 6% of operational time per month (especially in electronics troubleshooting) • Giving basic training of PLC programming to the members
Jun 2015 – Jul 2015	<p>PT. Indonesia Power UPJP Kamojang, Kabupaten Bandung http://www.indonesiapower.co.id <i>Internship</i></p> <p><u>Responsibilities and achievements:</u></p> <ul style="list-style-type: none"> • Analyzing and understanding flow diagram of geothermal power plant • Analyzing type, working principle, advantages and disadvantages of new type flowmeter being installed on system to replace old type flowmeter • Writing analysis results from observation during internship • Accomplished internship with "Excellent" predicate

ORGANIZATIONS AND ACHIEVEMENTS

2016	Security Division Staff – Committee of P3R 1437 H Salman ITB
2015	Security Division Staff – Committee of P3R 1436 H Salman ITB
2015	Mentor for Islamic Teaching – OSKM ITB 2015
2015	Participant of 178 th LMD Salman ITB (Spiritual and Leadership Training)
2015	Volunteer of Information – 60 th Asian-African Conference in Bandung
2014 – 2015	Society Service Staff – Majelis Ta'lim Salman ITB
2014	Mentor (Guider for New Students) – OSKM ITB 2014

SKILLS AND CERTIFICATIONS

Projects:

- Raspberry Pi-4 and IoT-based Dual-Axis Solar Tracker with Monitoring System Prototype for Photovoltaics Instrumentation (President University – 2023)
- ESP8266 IoT Module-based Power Monitoring and Control for CNC Winding Machine (President University – 2023)
- Submitted Research at Accredited Journal Publisher: ELKOMIKA ITENAS Bandung entitled "Perancangan Prototipe Chromameter untuk Bumper Berbasis Raspberry Pi-4 dan Sensor AS7341" (President University – 2023)
- Submitted Research to The 10th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE 2023) Indonesia entitled "IoT and Web-App-Based Data Accessibility and Management System" (President University – 2023)
- Published Research at Accredited Journal Publisher: ELKOMIKA ITENAS Bandung entitled "Rancang Bangun Prototipe Sistem Kontrol Tangki Air Otomatis Sederhana Untuk Aplikasi Mesin Pencuci Barang-Barang Industri" (President University – 2023)

- Published Research at Accredited Journal Publisher: ELKOMIKA ITENAS Bandung entitled "Pengaruh Nilai PIR dan Penggantian Elemen Resistor dengan DISP Aluminium terhadap GCB 420 KV" (President University – 2023)
- Installation, Commissioning, and Operator Training of VISTA® CNC H-Beam Drilling Machine at PT. Multiguna Bangunjaya, Tangerang (PT. Abadi Baru Teknikatama – 2022)
- Installation, Commissioning, and Operator Training of Euro Asia® BPM303 3 in 1 CNC Busbar Machine at PT. Repayo Mandiri, Tangerang (PT. Abadi Baru Teknikatama – 2022)
- Published Research at Accredited Journal Publisher: TESLA Journal Tarumanegara University entitled "Analisis Perhitungan Kerugian pada Lendutan Serat Optik dengan Simulasi Matlab" (President University – 2022)
- Relocation and Installation of Drilling Machine (Ficep®) at Engineering Service Center (PT. Gunung Baja Konstruksi Tbk. – 2022)
- IoT and Web-App-based Data Accessibility and Management System in Raspberry Pi Interface (President University – 2022)
- Published Research at Accredited Journal Publisher: Jurnal Serambi Engineering entitled "Preferensi Masyarakat Terhadap Sistem Prabayar dan Pascabayar untuk Jaringan Gas Rumah Tangga di Wilayah Cikarang" (President University – 2020)
- Arduino with Pressure and Flow Sensor Based Gas Flowmeter and Android Interface (In collaboration with Trisakti University Student – 2019)
- Arduino and GSM Module Based Flood Detector with SMS Warning (In collaboration with Pertamina University Student – 2019)
- Arduino and DHT11 based Temperature and Humidity Monitoring and Control with JavaFX-based Interface and Serial Communication (President University – 2019)
- Arduino Based 6 Axis Robotic Arm with JavaFX-based Interface (President University – 2019)
- Retrofitting Drilling Machine (Vernet Behringer®) at Steel Service Center (PT. Gunung Raja Paksi Tbk. – 2019)
- Retrofitting Drilling Machine (Ficep®) at Steel Service Center (PT. Gunung Raja Paksi Tbk. – 2019)
- Relocation and Installation of Angle Beam Punching Machine (Ficep®) at Engineering Service Center (PT. Gunung Baja Konstruksi Tbk. – 2019)
- Retrofitting Angle Beam Punching Machine (Ficep®) at Steel Service Center (PT. Gunung Raja Paksi Tbk. – 2019)
- Installation of Painting (Rexon®) and Shot Blasting Machine (OMSG®) at Plate Service Center (PT. Gunung Raja Paksi Tbk. – 2018)

Technical Skills:

- CNC troubleshooting – Intermediate
- Microsoft Office (Word, Excel, PowerPoint, Visio) – Intermediate
- Typewriting (± 88 WPM or ± 441 CPM for Indonesian language, ± 65 WPM or ± 308 CPM for foreign language) – Intermediate
- Electricity analysis and design (Proteus, Multisim National Instruments, PSpice, Fritzing) – Intermediate
- Manufacture design and process (Mechanical Drawing, AutoCAD, Autodesk Inventor) – Intermediate
- Piping and Instrumentation Diagram (AutoCAD P&ID) – Intermediate
- Pneumatic and Hydraulic Systems – Intermediate
- Control systems analysis, design and application (PLC Programming & CNC (Allen Bradley, Schneider Electric, and Siemens), Electrical Machinery Drawing, Robotics, Sensors, Actuators) – Intermediate
- Internet of Things (HTTP, TCP/IP, Data Communication and Telemetry) – Intermediate
- Web Design (Front-end, Back-end, API) – Intermediate
- Database (SQL) – Intermediate

Language Skills:

- Sundanese – Native Speaker
- Indonesian – Native Speaker
- English – Intermediate (TOEIC® Score: 715 out of 990)

Awards & Certification:

- Statistics for Data Science and Business Analysis from Udemey – 2023
- The Complete Python Bootcamp: From Zero to Hero in Python from Udemey – 2023
- PLC Ladder Logic Essential Training from LinkedIn Learning – 2022
- Learning PLC Ladder Logic from LinkedIn Learning – 2022
- TOEIC® Listening and Reading Official Certificate from ETS via ITC Indonesia (Score 715 out of 990) – 2022
- President English Short Course Program (August 3rd to August 9th) from President Development Center by President University (Score: 77 out of 100) – 2022
- Enterprise Resource Planning (SAP 4 HANA) for Plant Maintenance (Corrective Maintenance and Preventive Maintenance) from IBM & PT. Gunung Raja Paksi Tbk. – 2021
- Front-end and Back-end Web Design Course from Udemey – 2021
- Python Programming Language Course from Udemey – 2020
- Products familiarization (Fluke® 435 Power Quality Analyzer, Fluke® Ti400 Thermal Imager, Fluke® 820 Stroboscope, Fluke® 805 Vibration Meter and Fluke® 810 Vibration Tester) and measurement training for troubleshooting purpose on motors and drives from Fluke South East Asia Pte. Ltd. – 2019
- Trainee Participant's Certificate on Programmable Logic Controller (PLC) Training Program from Center of Instrumentation and Technology Automation (CITA) ITB – 2017
- Award for being Volunteer of Information of 60th Asian-African Conference in Bandung from Bandung City Government – 2015
- Appreciation Certificate on "Smart Network, Smart Logistic Supply Chain Network" Seminar from Bandung Institute of Technology (ITB) – 2015
- Award for accomplishing internship with 'Excellent' predicate from PT. Indonesia Power – 2015
- Award for accomplishing 178th LMD Salman ITB from Students and Regeneration Division, Salman ITB Mosque – 2015

MISCELLANEOUS

Driving License:

- Driving License – A (2022)
- Driving License – C (2018)