


Fuad Muhammad HVAC Engineer


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EDUCATION

Politeknik Negeri Bandung, BAsc Heating, Ventilating, Air Conditioning and Refrigeration Engineering 
Grade: 3.28/4.00

Aug 2015 – Aug 2019

WORK EXPERIENCE

PT Catur Mitra Teknologi, HVAC Engineer 


Jul 2020 – present

- **RDMP RU V Balikpapan Project**, HVAC for Process and Utility Area
Owner: PT Pertamina (Persero)
 - Developing commissioning procedure
- **Jawa 9 & 10 Suralaya Project**, HVAC for Power Block Area and BOP Area
Owner: PT Indo Raya Tenaga
 - Developing data sheets, system configuration drawings, control narrative & philosophy
- **Jatibarang Project**, Pemasangan Heating Ventilation and Air Conditioning (HVAC) System di Switchgear Room XMA dan XAPF Area Operasi Anjungan X-Ray PT Pertamina EP Regional 2 Zona 7 Jatibarang Field
Owner: PT Pertamina EP Regional 2 Zona 7
 - Developing P&ID, D&ID, airflow diagram, data sheets, layout drawings, commissioning procedures, control narrative & philosophy, spare part list, IOM
 - Conducted shop inspection for ducting and HVAC unit
 - Completed FAT for HVAC unit
- **Jambaran Tiung Biru Project**, HVAC for GPF Area Substation, Jambaran Central Substation, Jambaran East Substation, Metering Substation, Control Building, Reception Building, Guard House, Public Toilet & E-House
Owner: PT Pertamina EP Cepu (PEPC)
 - Developing P&ID, D&ID, airflow diagram, data sheets, layout drawings, commissioning procedures, control narrative & philosophy, spare part list, IOM
 - Completed FAT for HVAC unit, PFU, HVAC UCP and duct heater
 - Finished pre-commissioning, commissioning and start-up for SS1, SS4, SS5 & CB
- **Cakra Donya Project**, HVAC for I-VSD301 & I-VSD401
Owner: PT BP Petrochemical Indonesia/PT INEOS Aromatics Indonesia
 - Developed P&ID, D&ID, airflow diagram, data sheets, layout drawings, commissioning procedures, IOM, spare part list
 - Conducted shop inspection for HVAC units, motorized dampers and LV cables
 - Conducted field inspection for cables and duct (leakage test)
 - Completed FAT for HVAC Units

PT Eskimo Wieraperdana, Project Engineer 

Sep 2019 – Jul 2020

- **Tangguh Expansion Project**, HVAC for LCR 20, 21, 22, 23
Owner: BP Berau Ltd
 - Managed and supervised construction on site
 - Conducted field inspection for material receiving and installation
 - Finished pre-commissioning, commissioning and start-up for LCR 21, 22 & 23
- **PHE ONWJ 2019 Project**, HVAC for PHE ONWJ Expense Plant Living Quarter (Arco Ardjuna, KLA, Central Plant 2nd, 3rd & 4th Floor)
Owner: PT Pertamina Hulu Energi Offshore North West Java
 - Developed IOM
 - Completed FAT for HVAC units

PT Sigma Visualindo, Student Internship 

Jul 2018 – Aug 2018

- Supervision, project estimation, quotation, commissioning, duct design


PT United Refrigeration, Student Internship 

Jan 2018 – Feb 2018

- Cold room installation, preventive maintenance, corrective maintenance, commissioning, start up, site survey

CERTIFICATES

Sertifikat Uji Kompetensi Pemeliharaan dan Perbaikan Pendingin dan Tata Udara AC Domestik (LSP P1 Politeknik Negeri Bandung)

EF SET English Certificate  (EF SET, 62/100 [C1 Advanced]) | **TOEIC Listening and Reading** (ETS, 825/990)

Sertifikat Kompetensi Teknisi Refrigerasi (BNSP)

SKILLS & INTERESTS

HVAC (Control philosophy, data sheets, procedures, quality control, pre-commissioning, commissioning, start Up)

PLC (Ladder Diagram [Schneider]) | **CAD** (2D [AutoCAD]) | **Computer Science** (Programming, Logic, Algorithm)

Front-End Web Development (HTML, CSS) | **Graphic Design** (GIMP, Krita)