

# 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

- **Tanggung 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)