

# Fuad Muhammad *HVAC Engineer*

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## EDUCATION

### **Politeknik Negeri Bandung,**

Aug 2015 – Aug 2019

*BASc Heating, Ventilating, Air Conditioning and Refrigeration Engineering* [🔗](#)

**Grade:** 3.28/4.00

## WORK EXPERIENCE

### **PT Catur Mitra Teknologi, HVAC Engineer** [🔗](#)

Jul 2020 – present

**Projects:** RDMP RU V Balikpapan Project, Jawa 9 & 10 Suralaya Project, Jatibarang Project, Jambaran Tiung Biru Project, Cakra Donya Project

### **PT Eskimo Wieraperdana, Project Engineer** [🔗](#)

Sep 2019 – Jul 2020

**Projects:** Tangguh Expansion Project, PHE ONWJ 2019 Project

### **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

## PROJECTS

### **RDMP RU V Balikpapan Project, HVAC for Process and Utility Area**

2022 – present

**Owner:** PT Pertamina (Persero)

- Developing commissioning procedure

### **Jawa 9 & 10 Suralaya Project, HVAC for Power Block Area and BOP Area**

2022 – present

**Owner:** PT Indo Raya Tenaga

- Developing data sheets, system configuration drawings, control narrative & philosophy

### **Jatibarang Project, Pemasangan Heating Ventilation and Air Conditioning**

2021 – present

*(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

2021 – present

**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

2020 – 2021

**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

**Tangguh Expansion Project**, HVAC for LCR 20, 21, 22, 23

2019 – 2020

**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)

2019

**Owner:** PT Pertamina Hulu Energi Offshore North West Java

- Developed IOM
- Completed FAT for HVAC units

## 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

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

**PLC** (Ladder Diagram [Schneider]) | **CAD** (2D [AutoCAD])

## INTERESTS

**Computer Science** (Programming, Logic, Algorithm) | **Front-End Web Development** (HTML, CSS)

**Graphic Design** (GIMP, Krita)