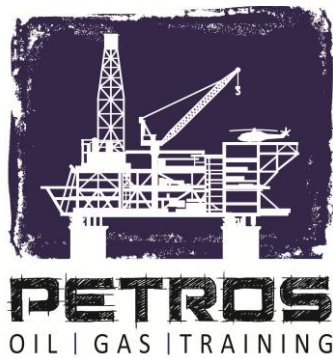


Certificate No : 2025-PTR-EC-INT-013

Date : April 04th , 2025



CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

ZARWAN ZUHDI

ID NUMBER : PTR-EC-INT-013

has completed 24 hours & finished the Final Project of our e-Course

**INSTRUMENTATION SIZING FOR CONTROL VALVE,
FLOW ELEMENT & RELIEF DEVICE USING INSTRUCALC**

TRAINER :

Muhammad Riandi, S.T - Senior Instrument Engineer

Held by **PETROS Oil Gas Training** covering the subjects as listed on the back page



A handwritten signature in black ink, appearing to read "Heru Prasadja".

Heru Prasadja, ST
Director

INSTRUMENTATION SIZING FOR CONTROL VALVE, FLOW ELEMENT & RELIEF DEVICE USING INSTRUCALC

CONTROL VALVE

- Control Valve in Process Plant
- Basic Operation of Control Valve
- Control Valve Sizing and Calculation
- Sizing and Calculation using INSTRUCALC
- Report Preparation

FLOW ORIFICE

- Flow Orifice Principles
- Sizing and Calculation using INSTRUCALC
- Report Preparation

PRESSURE RELIEF VALVE

- Basic Operation of Pressure Relief Valve
- Sizing and Calculation using INSTRUCALC
- Report Preparation

FINAL PROJECT :

Instrument Sizing and Calculation Report Preparation for Test Separator System in Wellhead Platform