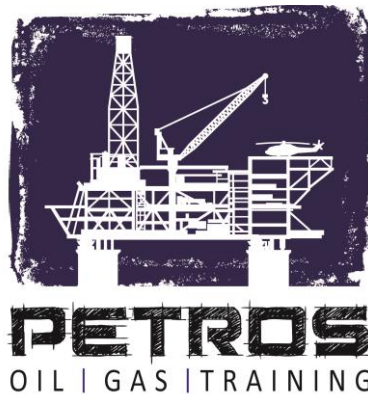


Certificate No : 2022-PTR-PDX-016-01
Date : February 7th , 2022



CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

HILMAN ADI NUGROHO
ID NUMBER : PDX-016-01

has completed

PIPING DRAFTING TRAINING

Held by **Petros Oil Gas Training** – Jakarta, Indonesia
January 3rd to 27th, 2022, covering the subjects as listed on the back page



Certificate Validation

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

Heru Prasadja, ST
Director

PIPING DRAFTING TRAINING

SUBJECTS :

BASIC CAD

MECHANICAL DRAFTING

PIPING DRAFTING

- Overview of Pipe Drafting & Design
- Pipe Components
 - Steel Pipes
 - Pipe Fittings
 - Flanges
 - Valves
- Code & Piping Specification
- Process Flow Diagram (PFD)
- Piping & Instrumentation Diagram (P&ID)
- Mechanical Equipment Drawing
- Equipment Layout
- Piping Layout , Section & Elevation Drawing
- Standard Piping Details
- Pipe Isometric Drawing
- Pipe Supports
- Pipe Material Take Off (MTO)

FINAL PROJECT : FINISH