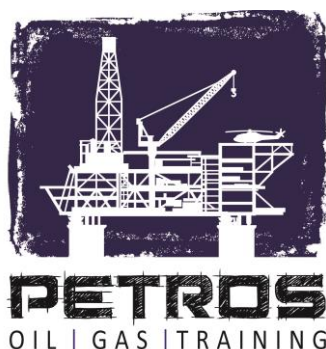


Certificate No : 2022-PTR-POR-WIKA-002

Date : March 29<sup>th</sup> , 2022



# CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

**ANDRY SETIAWAN**

has completed training

**PROCESS OIL REFINERY**

**TRAINER :**

**IR. DARU WIRYONO, IPU – PRINCIPAL PROCESS ENGINEER**

Held by **Petros Oil Gas Training** on March 1<sup>st</sup> ,2<sup>nd</sup> ,8<sup>th</sup> ,9<sup>th</sup> & 29<sup>th</sup> , 2022  
covering the subjects as listed on the back page



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

**Heru Prasadja, ST**  
Director

# PROCESS OIL REFINERY TRAINING

## SUBJECTS :

- Overall Process Refinery
- Type of Pertamina Oil Refinery & the difference between RU1 to RU 5
- Overall Process Residual Fluid Catalytic Cracking RFCC
- Overall Process Naphtha Hydrotreater
- Program Langit Biru / Bluesky Cilacap & Balongan
- Licensor Technology
- Refinery Layout
- Desalter
- Crude Distillation
- Fractionation
- Stabilization
- Reflash & Packed Column
- Depropanizer
- Debutanizer
- Flare
- Utility Power Generation