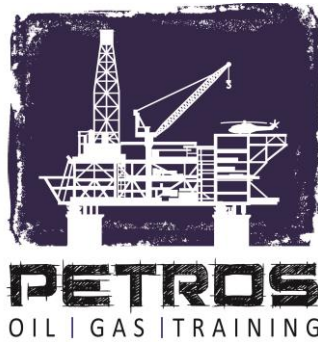


Certificate No : 2024-EC-OFS-003-TR  
Date : March 4<sup>th</sup> , 2024



# CERTIFICATE OF ACCOMPLISHMENT

This certificate is granted to

**AHMAD WILLIAM, S.T**  
ID NUMBER : EC-OFS-003

For successfully completing 2 days of lesson  
& finished the Final Project of our e-Course

## OFFSHORE STRUCTURE DESIGN TRANSPORTATION ANALYSIS

Held by **PETROS Oil Gas Training** – Jakarta,  
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

# OFFSHORE STRUCTURE DESIGN - TRANSPORTATION ANALYSIS

## SUBJECTS

- Introduction
- Objective Of The Analysis
- Design Premises
  - Project Specification & Design Criteria
  - Codes and Standards
  - API RP2A-WSD. 21st Edition,
  - AISC13th Edition/ASD,
- Weight Provisions
- Weight Contingencies
- Loading
  - Gravity Load
  - Barge Motion
    - Roll, Pitch & Heave Coefficient
    - Deck Position On the Barge
  - Force Inertia due to Roll & Pitch
  - Forces Due To Roll, Pitch and Heave Motions
  - Wind Load
- Loading Combinations
  - Static Case
  - Dynamic Cases :
    - Roll + Heave
    - Pitch + Heave
    - 80% roll + 60% Pitch + 100% Heave
    - 60% roll + 80% Pitch + 100% Heave
- Transportation Analysis computer modeling
  - Deck Position on the Transportation Barge Assumption
  - Structural Model
  - Boundary Conditions
  - Sacs Run Stream
- Transportation Analysis Report Preparation

**FINAL PROJECT : TRANSPORTATION ANALYSIS OF 100 TONS DECK PLATFORM**