Certificate No : 2026–EC-OFS-062-TR
Date : October 24th , 2026

PETROS
OIL | GAS | TRAINING

CERTIFICATE OF ACCOMPLISHMENT

This certificate is granted to

AL ISNA FATHURROHIM

ID NUMBER : EC-OFS-062

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

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 WPN DECK PLATFORM