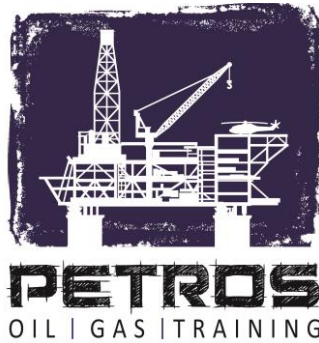


Certificate No : 2018- OFS-024-01-INP  
Date : October 7<sup>th</sup> , 2018



# CERTIFICATE OF ACCOMPLISHMENT

This is to certify that

**FADIAN, S.T**  
ID NUMBER : OFS-24-01

has completed

**OFFSHORE STRUCTURE DESIGN  
INPLACE ANALYSIS**

Held by **PETROS Oil Gas Training** – Jakarta,  
October 6<sup>th</sup> & 7<sup>th</sup> , 2018, 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 - INPLACE ANALYSIS

## Subjects

### INPLACE ANALYSIS MODELING

- Define Boundary Conditions
- Define Steel Section
- Define Member Group
- Member Offset
- Define Effective Length
- Define Drag & Mass Coefficient ( $C_d$  &  $C_m$ )
- Define Marine Growth
- Increased Allowable Stress
- Corrosion Allowance
- Increased Allowable Stress

### LOADING

- Define Of Loadings
- Provisions, Contingencies And Coefficients

### LOADING COMBINATION

- Define Operating And Extreme Loading Combinations

### SOIL DATA

- Preparation Of Soil Input Data (P-Y, T-Z, Q-Z)

### CHECK RESULTS

- API/AISC Member Stress Ratios
- API/AISC Joint Punching Shear Stress Ratios
- API/AISC Joint Minimum Required Strength Ratios
- Deflections Checks
- Piles Axial Capacity And Unity Check