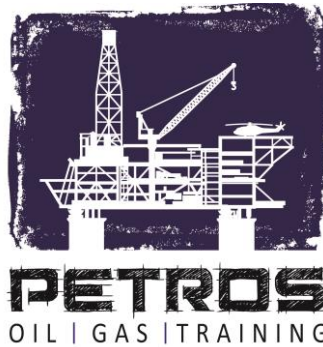


Certificate No : 2024-PTR-LIFT-DNV-STD-0001

Date : July 20<sup>th</sup> , 2024



## CERTIFICATE OF ACCOMPLISHMENT

This certificate is granted to

**ANWAR RUSDI LUBIS**

ID NUMBER : LIFT-DNV-STD-0001

For successfully completing 16 hours of lesson & finished Final Project of our E-Course

## LIFTING ANALYSIS FOR MODULAR STRUCTURE AS PER DNVGL-ST-N001 USING STAAD PRO

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". The signature is fluid and cursive.

**Heru Prasadja, ST**

Director

# LIFTING ANALYSIS FOR MODULAR STRUCTURE AS PER DNVGL-ST-N001 USING STAADPRO

## STRUCTURE MODEL CHECK

- Member Group Properties
- Joint Connection
- Released Member
- Effective Length, Truss Member, Member Offset, Fyield

## DEFINE STATIC LIFTED WEIGHT & COG

- Temporary Support
- Load Contingency
- Load Combination for Static Lifted Weight
- Center Of Gravity (CoG)

## DEFINE HOOK POINT & SLING MEMBER

- Hook Point modelling
- Define Lifting Point
- Sling Modelling (release member in My, Mz)
- Tagging Line Modelling

## MEMBER CATEGORY

- Sling Member
- Member Connected to Lifting Point
- Member not Connected to Lifting Point

## LIFTING FACTOR AS PER DNVGL-ST-N001

- Dynamic Amplification Factor (DAF)
- Skew Load Factor (SKL)
- Consequence Factor
- CoG Factor
- Yaw Factor
- Tilt Factor (2 crane)

## LOAD COMBINATION

- Load Combination for Sling Member
- Load Combination for Member Connected to Lifting Point
- Load Combination for Member Not Connected to Lifting Point

## ANALYSIS REPORT

- Member Stress Check
- Deflection Check
- Maximum Sling Load

## LIFTING GEAR SELECTION

- Sling Selection
- Shackle Selection
- Padeye Selection