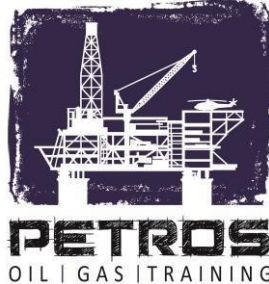




**Kampus
Merdeka**
INDONESIA JAYA

MSIB
magang dan studi independen bersertifikat

Certificate No : 2023-PTR-FOPD-MSIB4-G2-12
Date : June 30th , 2023



CERTIFICATE OF ACCOMPLISHMENT

This certificate granted to
MELSA EL PRINA BR ARITONANG
SIB ID : 5657492

For successfully completing the training (240 hours)

FIXED OFFSHORE PLATFORM DESIGN INPLACE ANALYSIS

Held by **PETROS Oil Gas Training &
Ministry of Education and Culture Research and Technology of Republic of Indonesia**
at **Kampus Merdeka Studi Independen Bersertifikat Program**

And meet all requirements with score:

91.00

of 100 points



Certificate Validation
Valid Through
30/06/2025

Petros Oil Gas Training
(PT. INDONESIA LEBIH ANDAL PROFESIONAL)

Heru Prasadia, ST
Director

FIXED OFFSHORE PLATFORM DESIGN-INPLACE ANALYSIS

SUBJECTS

INTRODUCTION TO OFFSHORE STRUCTURES

FIXED OFFSHORE PLATFORM COMPUTER MODELLING

- Joint Modelling
- Joint Fixity
- Joint Design
- Member Modelling
- Member Releases
- Member Properties
- Member Group
- Member Offsets
- Modelling Wishbone
- Modelling X brace

LOADING

- General Loading
- Joint load
- Member load
- Inertia Load
- Member area & Plate area Loads
- Simulation of Non - modelled load (Anode, Walkway, stairs etc)

ENVIRONMENTAL LOADING

- Wind Loads
- Hydrodynamic Coefficients
- Wave & Current loadings
- Marine growth Load
- Corrosion allowance

ANALYSIS

- Load Combination
- Allowable stress modification factor
- Unity check partition factor
- Code check

POST PROCESSING

- Output listing file
- Member review and redesign

JOINT CAN ANALYSIS

- Preparation of Joint can file
- Interpretation of Joint can results

PILE SOIL INTERACTION

- Creation of PSI input file
- Interpretation of results