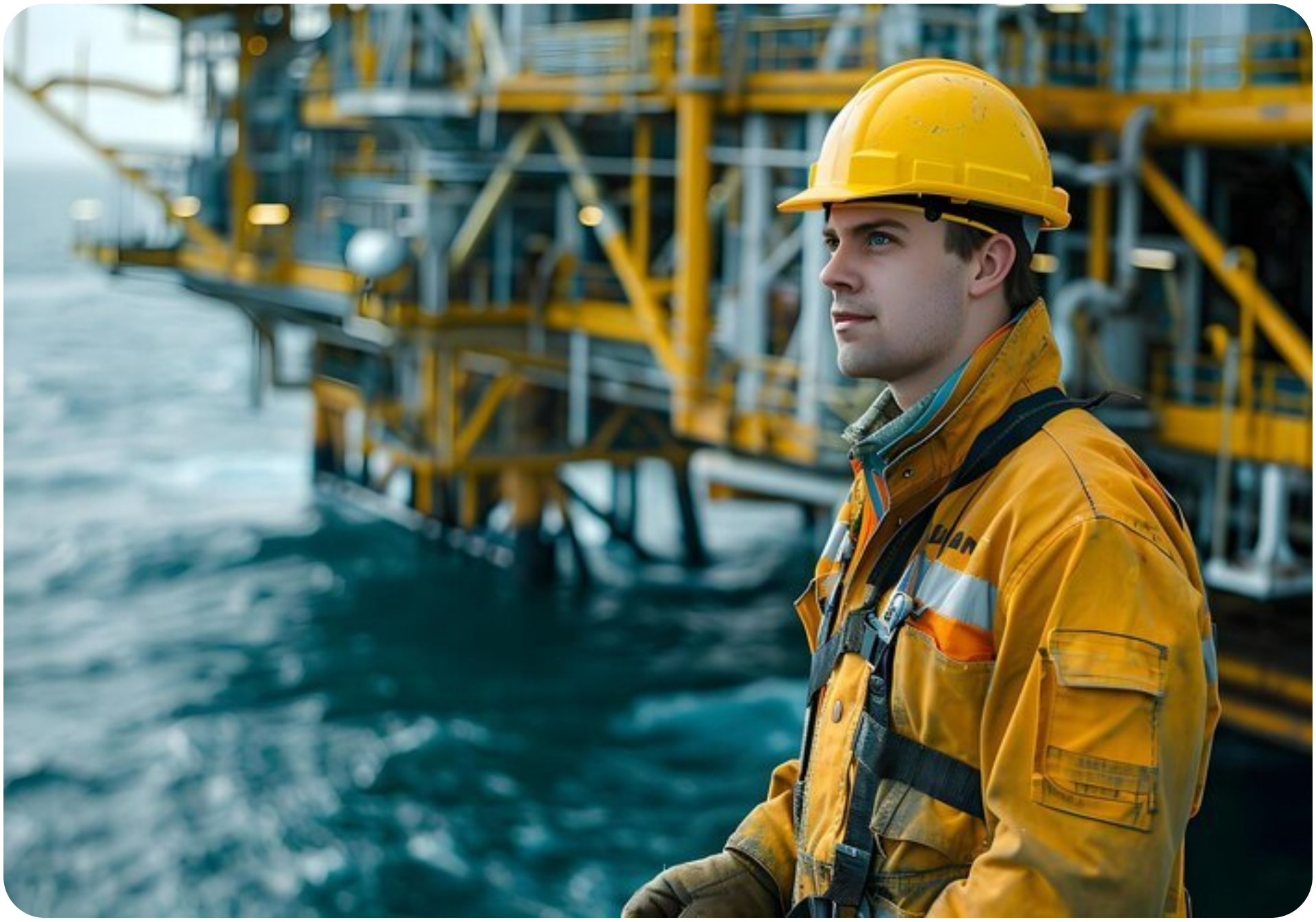
OJT TRAINING · PIPE STRESS ENGINEER

Pipe Stress Analysis

For : **Mechanical Engineering, Metallurgy, Materials Engineering**

Pipe stress analysis training for an oil & gas pipe stress engineer career: piping stress, supports and nozzle loads per ASME B31.3.

- 6 trainings
- 22 lessons
- 100% online
- Mentor: Ir. Benny Setiawan - Senior Pipe Stress Engineer



ABOUT THIS OJT

Learn straight from real projects with OJT Pipe Stress Analysis

In this Online OJT you will learn to analyse 2 piping systems:

- Pipe Stress Analysis between Equipment Pipe

- Pipe Stress Analysis for Suction Pump

The case studies used are not simple cases; they are taken from a Real Project, and you are taught how to prepare the Calculation Report in the report format used on Oil & Gas projects.

At the end of the training you will be given a Final Project to complete, and you can consult on it with the Mentor via WA/Email. Revise the analysis whenever there are comments until all of the analysis is correct.

Note: Terapan.ID does not provide analysis software links to participants. The analysis software can be obtained independently by searching the internet.

CURRICULUM

What you'll learn

6 trainings · 22 lessons

1 Basic Theory 9 lessons

Scope of Work of Pipe Stress Analysis Engineer · Project Technical Specifications · Pipe Stress Isomeric Drawing · Critical Line List Criteria · Pipe Stress Overview · Introduction to Pipe Stress Design Code/Standard · Pipe Stress Analysis Load Cases · Wind Load · Earthquake Load

2 Pipe Component 1 lessons

Node, Element, Bend, Tee, Reducer, Flange, Valve, Restrain. Wind Load, Earthquake, Spring Support, Expansion Joint, Etc

3 Pipe Design Load Case 8 lessons

Local Stress at Nozzle of Vessel According to WRC 107/297 · Nozzle Load of Heat Exchanger According to API 661 · Nozzle Load of Pump According to API 610 · Flange Leakage Check · Pipe Support Type and Load · Expansion Loop · Piping maximum displacement Sustain Case · Piping maximum stresses requirements for ASME B31.3

4 Study Cases 2 lessons

Pipe Stress Analysis between Equipment Pipe (Pressure Vessel) · Pipe Stress Analysis for Suction Pump P01-A/B

5 Pipe Stress Analysis Report Preparation 1 lessons

FP Final Project 1 lessons

Piping Stress Analysis for Suction Pump 04-P-5202-A/B

HOW IT WORKS

From first lesson to certificate

1. Download all Video Tutorials & Handbook
2. Re-practise all the cases presented in the videos
3. Complete the Final Project given
4. Consult with the Mentor if you run into problems
5. Revise the modelling if there are comments from the Mentor
6. Make sure the analysis results meet the code standards
7. Present the analysis results in a Calculation Report
8. The certificate is issued to those whose Final Project receives APPROVED status from the Mentor

CHOOSE A PACKAGE

SINGLE OJT

OJT Pipe Stress Analysis

Skills required to become a Pipe Stress Engineer

22 video lessons · real-project case studies · mentor discussion · 100% online

Rp 2.500.000

Sign up & full details at **www.terapan.id**

Questions? Chat on WhatsApp:

0851-3920-0080