OJT TRAINING · CIVIL ENGINEER

Steel Structure Design for Oil Gas Plant (STAAD PRO)

For : **Civil Engineering**

STAAD Pro training: design pipe racks, shelters and steel structures for oil & gas plants.

- 8 trainings
- 24 lessons
- 100% online
- Mentor: Heru Prasadja, ST - Senior Civil Engineer

ABOUT THIS OJT

Learn straight from real projects with OJT Steel Structure Design for Oil Gas Plant (STAAD PRO)

One of the tasks of a Civil Engineer in an oil refinery construction project is to design all steel structures in the oil refinery, such as Pipe Racks, Warehouses, Shelters, Heavy Equipment Structures, etc.

This OJT aims to train participants to be able to design one of the most common structures in oil refineries, namely Steel Pipe Racks, in accordance with the design standards and specifications applicable in oil and gas projects. During the design process, participants will use software commonly used in oil and gas projects, namely STAAD PRO.

The skills acquired from this OJT can be applied to designing other structures in the oil refinery area.

CURRICULUM

What you'll learn

8 trainings · 24 lessons

1 **Introduction to Oil Gas Plant Project** 1 lessons

2 **Stuctural Modelling for Steel Pipe Rack, 6 m (L) X 5 m (W) X 9 m (H), 2 Level** 8 lessons

Making Generate Model · Release & Truss Member · Offset Member · Support · Effective Length · Lateral Torsional Buckling · K factor · Material Properties

3 **Loadings** 7 lessons

Pipe Load · Equipment Load · Live Load · Friction Load · Anchor Load · Wind Load · Seismic Load

4 **Load Combinations** 2 lessons

Operation Condition · Test Condition

5 **Running Model** 1 lessons

6 **Analysis Result** 3 lessons

Member Design · Deflection · Material Take Off

7 **Design Report** 1 lessons

Design Report Preperation

FP

Final Project 1 lessons

Steel Pipe Rack, dimension 71 m (L) x 8 m (W) x 9 m (H), 2 level

HOW IT WORKS

From first lesson to certificate

1. Download all videos and materials from the provided link
2. Watch all tutorial videos and practice again
3. Complete the final assignment
4. Submit the assignment file for feedback
5. Make corrections if there is feedback for improvement.
6. If the modelling assignment is correct, present it in the form of a Calculation Report in the specified format
7. The certificate will be issued.

CHOOSE A PACKAGE

SINGLE OJT

OJT Steel Structure Design for Oil Gas Plant (STAAD PRO)

Skills required for a role in Steel Structure Design for Oil Gas Plant (STAAD PRO)

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

Rp 1.750.000

COMPLETE PACKAGE Best value

OJT Civil Engineer Complete Package

The right choice if your goal is to work as Civil Engineer: no skill left behind, one single payment.

2 OJT Trainings at once: every skill you need to work as Civil Engineer.

Steel Structure Design for Oil Gas Plant (STAAD PRO) **(this OJT)**	Rp 1.750.000
Equipment Foundation Design For Oil Gas/Industrial Plant (AFES)	Rp 1.750.000

~~Rp 3.500.000~~ **Rp 3.000.000** **Save Rp 500.000 (14%)**

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

Questions? Chat on WhatsApp:

0851-3920-0080