EVALUATION OF PROJECT IMPLEMENTATION K3
UPGRADING PILED TANK 61 APPROACH TO
FAULT TREE ANALYSIS
(Case Study: Installation Surabaya Group - Unit V Pertamina Surabaya)

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Abstract

Pertamina is one company that has the highest risk of loss due to the impact of a large accident, piled tank 61 upgrading projects implemented in the ISG Perak Surabaya Pertamina V Marketing unit. The construction of this project has great potential for accidents. It requires an evaluation to identify the accident, knowing the impact that occurred, and provide solutions as a precaution the occurrence of similar accidents or other accidents. Evaluation that is used is to use Fault Tree Analysis (FTA) to find the cause - the cause and also the combination of causes that can cause accidents.

Analysis results of the study is that the frequency rate and severity rate is the highest rate in November at 952 and 2857. Data occupational accidents during the project as much as 29 events are grouped into 9 types of occupational accidents, with a risk analysis obtained four top event type of work accidents, occupational accidents are slips, falls, falling objects, and hit.

Keyword : Safety and Health, Fault Tree Analysis, Accidents
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