

ABSTRACT

SAFE BEHAVIOR ANALYSIS USING DO-IT METHOD ON THE APPLICATION OF PERSONAL PROTECTIVE EQUIPMENT FOR WORKING AT HEIGHTIN PT.X

Working at heights (WAH) always be health and safety concern, because the accident occurred not only in oil and gas industry but also covers to other industrial sectors such as construction, mining, services and other sectors. Departing from the variation of the findings observed in unsafe action and unsafe condition of working at height in PT.X and case of fatality that occurred on working at height activity in March 2014 made the first step to do research on safe behavior. The purpose of this study was to analyze the implementation of safe behavior on personal protective equipment for work at height with DO-IT (Define, Observe, Intervene, Test) method in PT.X. The benefit of this research is to give an overview of the behavior and determine the safe behavior factors.

Research findings showed that 11 workers (73.3%) can well define how to work safely at height, 8 workers (53.3%) working under the safe behavior index standard, 9 workers (60%) had gained intervention, and based on the results of analysis show that 8 workers (53.3%) received the test results with good criteria. Correlation results between test variable with define, observe, and intervene variable showed statistically significant relationship. Positive reinforcement and negative reinforcement was a form of intervention that does not have a significant relationship to the results of the intervention. Conclusion: The mean total score of safe behavior index (SBI) workers in March 2014 was 77.53%, so it is said still below the safe standard of behavior. The mean total score of safe behavior index (SBI) workers in February 2015 was 82.73%, an increase to 5.2% compared to March 2015.

Key word: Working at Height, Safe behavior, DO-IT