

SUMMARY

ACCIDENT ANALYSIS AT PT. X PRODUCTION SITE BASED ON MANAGEMENT SYSTEM AND SPECIFIC CONTROL FACTOR

PT. X is a boiler manufacturing company. As a company in the field of manufacturing, PT.X is one sector of companies that has a relatively high accident rate. Based on data from crash reports that documented by Healthy Environment Reporting Safety Officer PT.X during 2008 to 2012 there were 60 cases of accidents in the category of first aid injury accidents and 13 cases for the category loss time accident that occurred in PT.X. The proportion of accident loss time accident (LTA) of all accidents tend to increase in 2012 year is 18.2%, while 11.7% in 2011, 0% in 2010, 12.5% in 2011.

Investigation and follow-up efforts have been made by PT.X, however, the depth of investigation methods that have been used to search the root of the problem yet. As an effort to prevent the recurrence of accidents that would cause harm to PT.X, we need a investigation tool that will be used to determine the root cause of the accident in depth. Researchers used mini MORT method and deepened by 5 why's, to determine the root cause based on management system and spesific control factor.

The purpose of this research was to study the causes of accident based on spesific control and management system factor using the Mini MORT and deepened with the 5 whys in PT.X. MORT mini can be used to identify two main areas, namely management system and spesific factor control factor, but have not been able to dig deeper into the root cause of the accident. By using the 5 why method, the root cause can be explored in depth by asking structured based on the theory of human factor analysis and clasification system (HFACS). To analysis the cause of the accident, researchers used a qualitative approach, which departed from the research data obtained from informants through participant observation research. Source of information in this study was a worker who had an accident, supervisor and management of PT. X.

Conclusion: from the analysis of two cases of accidental loss time accident categories, the first case is the case of crushed by C-canal, the second case is the case fell down the stairs. Both cases, has the same root problem, management and spesific control factors. conclusion:Management over how the factors leading cause of accidents caused by negligence of the management before the accident, while the more spesific control factor possessed explore how to control time or after an accident. Through the 5 whys method, indicated that the root cause of the accident is the second case in terms of organizational Influences. One of solution that can be given was a safety behavior approach to reduce or eliminate the element that inadequate.

ABSTRACT**ACCIDENT ANALYSIS AT PT. X PRODUCTION SITE BASED ON
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Through in-depth identification of management system and specific control factor, the root cause of the accident can be determined. Had been an accident in the PT.X such as a first aid injury and loss time accident, and has conducted investigations and follow-up but similar accidents still happen. The purpose of this study was to identify the cause of the accident based on management system and spesific control factor. This study used qualitative approaches to explore the root cause based on management system factor and spesific control factor. Researchers used a qualitative approach, because researchers used a standard mini-MORT as a data collection tool and 5 whys method to explore the root causes.

Results of the analysis in the first case accident that crushed by c-canal, and the second case of an accident that falling from a ladder have in common causes, which is the cause of the accident was due to organizational influences. Influence of the organization, such as resource management, organizational climate and organizational process. This relates to the allocation of limited resources, both human and financial, and material. Conclusion: there are elements of the management system and spesific control factor was inadequate, and the root cause of the accident was on organizational Influences. The company had to consider the approach to safety behavior that occupational safety and health programs can be done with an awareness of the whole management to workers who are believed to reduce the number of accidents.

Key word: management system factor, spesific control factor, organizational influences, mini MORT, 5 whys