

## ABSTRACT

Hazard identification and risk assessment and priority control is part of occupational safety and health programs in the stage of risk management, conducted in an effort to prevent accidents and Disease Due to Work (PAK). Preventive measures and steps to protect the workforce needed a good risk management to minimize any risk factors that can interfere with occupational safety and health. The purpose of this research was to study the application of risk management at the Workshop Assembly PT. PAL Indonesia (Persero).

The design of this study is cross sectional study, done by observation and description in the analysis. Object of research is the application of hazard identification, risk assessment, risk control at the Workshop Assembly General Engineering Division of PT. PAL Indonesia (Persero). Data used in this study are primary and secondary. When the study was April to May 2010.

Risk Assessment Methods in PT. PAL Indonesia (Persero) refers to the SOP K3LH about the identification aspects and impacts based on the Guidelines K3LH SMPAL, which itself was adopted from SMPAL Management System OHSAS 18001 Occupational Health and Safety (SMK3), ISO 14001 environmental and ISO 9001. The result of hazard identification is done, there are 72 potential danger from 111 the hazard risk. Unknown level of risk the most is that as many as 64 low-risk and moderate risk of finding 47 findings. Potential hazard in Workshop Assembly among other sparks from welding work which caused a fire and explosion risk.

In order for the results of hazard identification and risk assessment guaranteed accuracy, the team established should really qualified in their respective fields, not only in the field of K3. Identification and risk rating must be made by professional experts who are competent in the sense of having experience and knowledge in making judgments. Team formed to conduct hazard identification and risk assessment must come from various fields and not only involve officers from K3 only.

Keywords: hazard identification, risk assessment, risk control, assembly workshop