

ABSTRACT

PT Pindad is a company engaged in the manufacturing industry, which involves the production process as well as a lot of critical operational work. This raises concerns regarding the continuity of the activity process, where it is possible to cause work accidents ranging from minor to major, which cause serious injuries and even death. The purpose of this study is to identify the hazards and risks that occur and also provide suggestions for improving the occupational safety and health management system at PT Pindad. An analysis has been carried out based on the problems encountered using a fishbone diagram. Therefore, the HIRARC method was chosen as a support for solving existing problems at PT Pindad. This research uses a qualitative descriptive research method. Identification was carried out on 23 activities, and after carrying out a risk assessment based on HIRARC, 3 risks were found and the causes of events that gave rise to high-risk factors were identified, namely, welding process activities, operator or worker position activities in welding, and material refining activities. The proposed design of OHS risk control is given by referring to five risk control hierarchies: elimination, substitution, engineering, administration, and personal protective equipment.

Keywords: HIRARC, OHS, Work Accident