

ABSTRACT

Every production process in a company cannot be separated from everything the risk of workplace accidents to workers. So, in one company needs management of Occupational Safety and Health (OSH) to reduce and prevent workplace accidents. PT. Perkebunan Nusantara VIII (PTPN VIII) is one of the companies engaged in the agricultural sector where the company produces various types of plantation products in Indonesia, including tea commodities. PT. Perkebunan Nusantara VIII founded in 1957 is a sub-unit of PTPN 3 Holding in agriculture, one of which focuses on processing tea in West Java. One of the teas produced is Orthodox tea.

Currently PT. Perkebunan Nusantara VIII (PTPN VIII) has not implemented an Occupational Safety and Health Management System (SMK3) so that there are still activities or processing activities that have potential hazards that have not been identified. Therefore, this study aims to design the concept of OHS in the form of OHS control design to help realize the application of OHS in PTPN VIII.

In designing OHS control, it must be adjusted to OHSAS 18001; 2007 regarding hazard identification, risk assessment and control determination mentioned in clause 4.3.1. To implement OHS control, this study uses the HIRARC (Hazard Identification, Risk Assessment and Risk Control) method which is adjusted to the requirements of OHSAS 18001; 2007 clause 4.3.1 in the process of tea processing in PTPN VIII. The HIRARC method stage is conducting risk identification, risk analysis and risk control to carry out treatment or control of risks that have a high level of urgency (high risk) to be immediately given appropriate action and handling. By doing control of these risks, it is expected to help companies to prevent and reduce the impact of risk and minimize the probability of the occurrence of risks.

Keywords: Occupational Safety and Health Control, OHSAS 18001; 2007, HIRARC Method, Risk, Severity, Likelihood.