

ABSTRACT

Every work process has the risk of accidents, and industry is one of the work environments with a high risk of accidents. One of the growing sectors in Indonesia is the furniture industry. HomeDecore furniture industry is a small industry sector that focuses on manufacturing furniture products from wood-based materials. The production process in this furniture involves the process of cutting wood, smoothing wood and the assembly process. This process poses a risk of hazards that result in accidents at work. Broadly speaking, work accidents are caused by two factors, namely human actions that do not fulfill work safety (unsafe action) and unsafe environmental conditions (unsafe condition). The purpose of this research is to identify hazard risks and determine control measures to reduce the risk of work accidents. This research was conducted using the Hazard Identification, Risk Assessment And Determining Control (HIRADC) method to identify hazards, analyze risks and determine risk control measures to ensure the safety of workers. With this research, hopefully it can help reduce the risk of hazards. Based on the results of this study, the results of hazard identification found 11 stages with 23 potential hazards. Assuming that hazard control is applied, the risk assessment results show two levels of risk, namely medium risk and low risk. Medium level risks totalled 3 (13%), while low level risks totalled 20 (87%).

Keywords: Risk, Hazard, HIRADC, Industry