

ABSTRACT

This study aims to identify and assess occupational safety risks at Mebel Classic Sofa Surabaya using the HIRADC (Hazard Identification, Risk Assessment, and Determining Control) method. Conducted from September 2023 to June 2024, the study identified 24 potential hazards, including chemical, biological, physical, electrical, and cleanliness-related hazards. Risk assessments were carried out to determine the severity and frequency of each potential hazard. The risk assessment results indicated that there were 5 high-risk cases (21%), 12 medium-risk cases (50%), and 7 low-risk cases (29%). After implementing risk controls, including elimination, substitution, engineering controls, administrative measures, and the use of personal protective equipment (PPE), high risks were completely eliminated (0%), medium risks were reduced to 2 cases (8%), and low risks increased to 22 cases (92%). This study demonstrates that the application of the HIRADC method can effectively reduce occupational safety risks at Mebel Classic Sofa Surabaya. The implemented risk controls significantly improved workplace safety and health. However, the study has limitations, particularly in long-term monitoring to ensure the continued effectiveness of the controls. Therefore, future research is recommended to conduct periodic evaluations and review the implemented control measures..

Keywords: OHS, Work Accidents, Hazard Identification, HIRADC