

ABSTRACT

Work fatigue is one of the important factors that can increase the risk of work accidents in industry, including in the food production sector. This study aims to analyze To analyze the relationship between fatigue level and the risk of work accidents among production workers at Cibuntu Babakan Tofu Tourism Village. The method used was the Fatigue Assessment Scale (FAS) to measure the level of physical and mental fatigue, as well as accident Risk Assessment based on the likelihood and severity components. Data were collected through distributing questionnaires to production workers, then analyzed using the Chi-Square test to see the relationship between the two variables. The results showed that most workers experienced moderate to severe fatigue, and had moderate to high accident risk levels. The Chi-Square test resulted in a significance value of 0.049 ($p < 0.05$), so it can be concluded that there is a significant relationship between the level of fatigue and the risk of work accidents. In an effort to reduce the risk of accidents due to fatigue, this study recommends an Occupational Safety and Health (OHS) campaign through poster design to increase workers' awareness of the dangers of fatigue and accident prevention.

Keywords: fatigue, accident risk, Fatigue Assessment Scale (FAS), Chi-Square test, OHS campaign, poster.