

ABSTRACT

Workplace accidents in the manufacturing sector, particularly in limestone processing, are a crucial issue that affects employee productivity. This study aims to evaluate the influence of safety knowledge and safety behavior on worker productivity at PT. Timbul Persada. Safety knowledge refers to workers' understanding of safety procedures and potential workplace risks, while safety behavior involves compliance with safety regulations, such as the use of personal protective equipment (PPE). This research applies multiple linear regression analysis to measure the relationship between safety knowledge and safety behavior with worker productivity. Data were collected through questionnaires distributed to 70 respondents. The findings indicate that both safety knowledge and safety behavior have a positive and significant impact on worker productivity. Safety knowledge and safety behavior each have a significance value of 0,000 and < 0.001 , and simultaneously safety knowledge and safety behavior have a significance value of $< 0,001$. It is recommended that PT. Timbul Persada enhance OHS training programs, strengthen supervision systems, and build a stronger safety culture in the workplace. This research provides practical benefits for the company and contributes to academic discourse on occupational safety.

Keywords: *Occupational Health and Safety (OHS), Worker Productivity, Safety Behavior, Safety Knowledge*