

**THE EFFECT OF VIDEO USING PERSONAL PROTECTIVE EQUIPMENT
(PPE) ON THE KNOWLEDGE AND ATTITUDES OF WORKERS IN THE
BANDUNG YOGYAKARTA CRACKERS INDUSTRY**

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ABSTRACT

Background: The cracker industry is an industry that has the potential to be dangerous for its workers. Potential dangers can occur in every production process, such as falling, down slipping, being splashed with hot oil and even getting scalded due to direct contact with the oven machine. This situation occurs because workers never receive education regarding Occupational Safety and Health (K3) in the work environment. Insufficient knowledge and attitudes can cause work accidents, so education is needed regarding the importance of using Personal Protective Equipment (PPE) when working to minimize the risk of work accidents for workers in the Bandung Yogyakarta Cracker Industry.

Objective: To determine the effect of videos on the use of Personal Protective Equipment (PPE) on the knowledge and attitudes of workers in the Bandung Yogyakarta Cracker Industry.

Method: This research is a Quasi Experiment with a Pre Test-Post Test design with control design. The sample for this research was all workers from the Bandung cracker industry as the experimental group and the Lush cracker industry as the control group, each with 30 workers. Data analysis was carried out descriptively and analytically (using Shapiro Wilk, Paired Sample T-Test and Independent T-Test)

Results: This research shows that there is an influence of videos on the use of Personal Protective Equipment (PPE) on increasing workers' knowledge with a p-value of 0.015 ($p < 0.05$) and there is an influence of videos on the use of Personal Protective Equipment (PPE) on changes in attitudes with a p-value value 0.044 ($p < 0.05$).

Conclusion: Videos on the use of Personal Protective Equipment (PPE) influence the knowledge and attitudes of workers in the Bandung Yogyakarta Cracker Industry.

Keywords: Personal Protective Equipment (PPE), Video, Knowledge, Attitude