ABSTRACT

The use of Personal Protective Equipment (PPE) is the final stage of the effort to control workplace hazards. The amount of benefit given by the use of Personal Protective Equipment (PPE) in the work does not guarantee that all workers will use them because there are many workers who still do not use it. Many factors influence the behavior of workes so as not to use Personal Protective Equipment. This research aimed to analyze the factors associated with the use of PPE in Production Unit III at PT. Petrokimia Gresik.

This research was a research of inferential statistics with cross sectional study using a quantitative approach. The sample size totaled 82 respondents, drawn using simple random sampling from population of as many as 102 workers. Data obtained were then analyzed using inferential statistics Chi-square test.

The results showed that the majority of workers in the production unit III PT. Petrokimia Gresik had behaved to use PPE during the work. Results of statistical analysis showed that knowledge ($p = 0.018$), motivation ($p = 0.039$), and the role of the supervisor ($p = 0.023$) had significant relationships with the usage of PPE behavior among workers.

Advice that can be given is by performing a reward program to motivate workers to behave using PPE, increase oversight of the use of PPE regularly in aims so that workers will be more discipline in the use of PPE during work.

Keywords: Chemical Factory, Personal Protective Equipment, Knowledge