

## ABSTRACT

The framework estates worker has high potential hazard and they also run the risk of accident. One of prevention of accident to used personal protective equipment (PPE). This research aimed to study the factors associated about compliance of framework estates worker in the Jagat Konstruksi Abdipersada Company.

This research was the observational and analytic research with the cross-sectional approach. The number of samples was taken by 32 respondents and has been selected by simple random sampling. The variables of this research were worker characteristic (age, education level, and working hours), predisposing factors (knowledge and attitudes of worker), enabling factors (the procurement of PPE and availability of PPE), and reinforcing factors (safety officer encouragement and team works encouragement). The statistical test which is used by Spearman correlation test and Fisher Exact test, with alpha 0,05.

The result of this research has shown that their average age was between 36 years old, the most of education was junior high school and their working hours was 1 to 6 months. The respondents had good knowledge of PPE and responsible attitude of PPE. The safety officer gave counseling of PPE, monitoring, and gave punishment, but safety officer did not give training of PPE for respondents. Majority, the respondents did not reprimand the other worker who did not use PPE and did not report to the safety officer about the other worker whose PPE was broken. 6 respondents were compliant to used PPE and 26 respondents were not compliant to used PPE. Majority, the respondents did not use safety shoes and safety harness when worked. There were relationship between age, knowledge, punishment, and team works encouragement with the compliance using PPE.

Recommended to give training about PPE for framework estates worker.

Key words : Compliance , Use Personal Protective Equipment, Construction Workers.