ABSTRACT

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Title   : *Analysis of the Relationship between Attitudes and Risky Conditions and Unsafe Behavior of Workers in Palm Oil Processing Companies in East Kalimantan.*

Background: *Workplace accidents can result in loss of life and property, largely due to unsafe worker behavior and high-risk working conditions. Implementing workplace safety programs, such as safety talks and the use of Personal Protective Equipment (PPE), has been shown to increase worker compliance and reduce risky behavior.*

Objective: *To analyze the relationship between attitudes and risk conditions and unsafe behavior among workers in palm oil processing companies in East Kalimantan.*

Method: *This study uses a quantitative method with a cross-sectional design. The research population is workers who work in a palm oil processing company in East Kalimantan with a sample of 81 workers who work in the highrisk category directly including the process, electricity, and workshop departments. Data collection through questionnaires that have been tested for validity and reliability. Data were analyzed univariately, bivariately (chi-square test), and multivariately (multiple logistic regression).*

Results: *The results showed that 60.5% of workers had unsafe behavior, 1.5% had positive attitudes, and 55.6% were in risky conditions, with the majority being aged 18-40 years (87.7%), having a high school education (82.7%), and having worked for 6-10 years (59.3%). There was a significant relationship between attitudes and unsafe behavior (p=0.001, OR-16), as well as between risky conditions and unsafe behavior (p-0.009, OR-4). Educational characteristics (p=0.002) and length of service (p-0.036, OR-3.1) were associated with unsafe behavior, while age had no effect (p-0.704, OR-1.6). Multivariate analysis showed that attitudes and risky conditions remained associated with unsafe behavior after controlling for length of service.*

Keywords: *Attitude, Risky Conditions, Unsafe Behavior, Palm Oil*