

THE RELATIONSHIP BETWEEN THE IMPLEMENTATION OF BEHAVIOR BASED SAFETY (BBS) AND THE RATE OF UNSAFE ACTION AMONG WORKERS IN THE OPERATIONAL AREA AT PT ANGKASA PURA INDONESIA (PERSERO)

Miftah Hayati Rafifah Ulum

Applied Bachelor's Degree Program in Occupational Safety and Health

Malang Public Health Polytechnic, Ministry of Health, 77C Jl Besar Ijen, Malang

Email: miftah_p17451223033@poltekkes-malang.ac.id

ABSTRACT

Unsafe actions are one of the factors contributing to workplace accidents, particularly in high-risk work environments such as airports. One measure that can be taken to reduce unsafe actions is the implementation of Behavior Based Safety (BBS), a safety approach that focuses on changing workers behavior to promote safety. This study aims to analyze the relationship between the implementation of Behavior Based Safety (BBS) and unsafe actions among workers in the airport operational area at PT Angkasa Pura Indonesia. This is a quantitative study with an analytical observational design using a cross-sectional approach. The study population consisted of 138 workers, with a sample of 58 respondents selected using purposive sampling. Data collection was conducted using an adapted Safety Behavior Scale (SBS) questionnaire and unsafe action questionnaire. Statistical analysis was done with the help of univariate and bivariate analysis, particularly the use of the Spearman Rank correlation test, at the 95% confidence level ($\alpha = 0,05$). The results indicate that all respondents exhibited a high level of BBS. The level of unsafe actions was dominated by the moderate category, with 44 respondents (75,9%), the low category had 8 respondents (13,8%), the high

category had 4 respondents (6,9%), and the highest category had 2 respondents (3,4%). The result of the Spearman's rank test showed a significant relationship between the BBS and unsafe actions ($p = 0,031$), with a correlation coefficient of $r = -0,284$. this value indicates a negative relationship with a weak correlation, meaning that the higher the implementation of BBS, the lower tendency for unsafe actions to occur. Based on research results, it can be concluded that there is a relationship between Behavior Based safety and unsafe actions among workers in the operational areas of PT Angkasa Pura Indonesia's airport.

Keywords: Behavior Based Safety, unsafe actions, workplace safety, airport