

ANALYSIS OF THE EFFECT OF WORK SHIFT ON EMPLOYEE SAFETY IN MINING COMPANY X

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ABSTRACT

Mining in Indonesia is a very valuable and promising wealth, with these mines human resources can be increased. Mining X is an industrial company that was founded in 2002 and is located in Karang Indah Village, Angsana District, Tanah Bumbu Regency, South Kalimantan Province which has a head office in Banjarmasin led by Djoko Purwanto as Director. In Mining Company X has a work system in Mining X applies a 13x1 work system, namely 13 working days and 1 day off / rest, however every 70 days each employee is given 14 days leave. This study aims to determine the effect of work shifts on employee safety at mining X and provide an understanding of data processing procedures using the statistical test method of multiple linear regression analysis. The number of samples used in this study were 132 respondents. The technique used in sampling in this study is saturated sample or census method. Tests are carried out on the Work Shift (X) and Work Safety (Y) variables. The data analysis technique used is multiple linear regression analysis. Based on the results of research data obtained from analysis or testing with multiple linear regression models, it can be seen that the results of the F test regression test the significance value of the F test shows a value of $(0.000 < 0.05)$. So it can be said that the overall work shift variable (X) together (simultaneously) has a significant effect on the work safety (Y) of employees in Mining X. Based on the results of the Determination Correlation Coefficient (Adjusted R²), the value of the Determination Correlation Coefficient (Adjusted R²) is 0.846 or 84.6%. This means that the change in the dependent variable on work safety (Y) is caused by a change in the work shift independent variable (X) of 84.6% while the remaining 15.4% (100% -84.6%) is caused by other factors not examined in the study this.

Keywords: *Work Shift, Employee Safety, Analysis, and Statistical test method*