

ANALYSIS AND PREDICTION OF EMPLOYEE ACCIDENT TRENS AND PARTICIPANT POLICY MAKING PARTICIPANTS OF EMPLOYMENT INSURANCE AND SOCIAL SECURITY CARE BRANCH OF JAMBI

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Submission date: 03-Apr-2023 12:30PM (UTC+0700)

Submission ID: 2054322769

File name: Untitled1.pdf (57.13K)

Word count: 249

Character count: 1414



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SECURITY CARE BRANCH OF JAMBI**

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ABSTRACT

Background: BPJS Ketenagakerjaan Branch Jambi pays the highest work accident claims because it is located in an Industrial Estate area. This study aims to analyze and predict the trends of employee work accidents for policy making among participants in BPJS Ketenagakerjaan Branch Jambi.

Method: This type of research is a mixed method research. The population and sample in this study are all occupational accident data at companies that submit claims to BPJS Ketenagaker-Jaan 2015-2019 as the unit of analysis and 10 in-formers for interviews. The data will be analyzed to predict the trend of workplace accidents using linear regression tests and for-mulated policy making using decision tree analysis.

Result: The results of the research on the highest trend of work accidents in 2018 were 1830 accidents (26.6%). The trend prediction for the next 5 years is that the highest accidents occur in 2024, namely 3310 accidents (24%).

Conclusion: The conclusion of policy making for the industry is the pro-curement of PPE, training, giving sanctions, monitoring and peri-odically maintaining work machines and tools, making hazard communications and safety signs in the workplace, and safety talk.

Keyword: Trend, Prediction, Policy, Work Accident

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