

Data Visualization on Occupational Accident in Malaysia

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ABSTRACT

Accident Workplace issues include total of death, total of accidents, total permanent disability, and total non-permanent disability. The objective consists of developing data visualizations based on Organization Safety and Health information, analyses the factors that contribute to workplace Accidents, and the frequency of employee and employer daily routine also evaluate the data visualization using user acceptance test. The dataset was extracted from Portal Organization safety and health Malaysia Portal, then loaded and transformed into Power BI application for dashboard visualization. It can be explained even more clearly by displaying visuals. As a result, it can raise awareness of a good Standard Operating Procedure (SOP). Data analytics using data visualization is a suitable tool because it helps students to understand how to reduce the number of accidents at work habits through visualization of their working routine.

Keywords: Total of death, Total of accidents, Total permanent disability, Total non-permanent disability