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FACTORS INFLUENCE ACCIDENTS AT CONSTRUCTION SITE IN GEORGE TOWN, PULAU PINANG

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ABSTRACT

Accident at construction site has shaped a horrific figure of death for every year. This study aims to identify and rank the causes and effects of accident at construction projects. A widespread literature review takes place to identify the causes and effects of construction accident through the questionnaire. The questionnaire-based survey was used to elicit the perception of construction professionals towards causes and effects of accident at construction site. This study also aimed to measure the level of awareness of workers in the construction site area about the accidents that occurred. However due to the covid-19 constraint that occurs in the present situation, the study can only be conducted through a questionnaire distributed to workers. The data obtained show many workers are aware of the factors leading to accidents at these construction sites.

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CHAPTER 1: INTRODUCTION

1.1) INTRODUCTION

According to Jaafar (2018), Khosravi (2004) and Lee (2020), the construction industry is a high-risk industry for accidents at work, as the industry shifts as a result of the progress of the project phase. Economic growth and rapid development are factors which make the construction industry one of the most dangerous industries in the world (Fass, 2017). The construction industry is also often labeled as the industry with the most frequent accidents and fatal accidents in the workplace (Hyoung, 2009) and this is supported by Yoon (2013), who stated that accidents due to employment in the construction industry occur daily at construction sites around the world. Reese and Edison (2006) state that incidents at the workplace can lead to loss of production, illness or injury, damage to equipment or property, and near-miss events.

Building industries play an important role in economic growth in Malaysia. While the building industry isn't the main sector contributing to the economic developments of Malaysia, it is actually a catalyst for other economic sectors, such as education, finance, production, and many more (*Idris Othman*, 2018). This also means that Malaysia can represent the building industry as one form of economic motor. Furthermore, Malaysia's construction industry is an important contributor to wealth production and improvisation of quality of life in this region. Moreover, a great deal of work can be done after the establishment of this industry and this can encourage the growth of other industries in Malaysia (*Madzlan Napiah*, 2018).

Not everyone knows, in fact, that a comprehensive and quick site safety practice service is one of the key sectors in Malaysia. A combination of contributing factors and one or more dangerous and dangerous acts are responsible for the majority of injuries. Alternatively, improve safety at building sites to be investigated for the main causes of building accidents. In the formulation of more favorable work conditions and climate on the construction site, information derived from the research can be used (Abdul Rahim Abdul Hamid & Muhd Zaimi Abd Majid, 2008).

The incidence of hazards at the building site may increase also as the number of building sector growth rises. Furthermore, under certain conditions, the safety management in other industries defined in our country cannot be extended to the construction industry. Therefore the