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DEPARTMENT OF BUILT ENVIRONMENT STUDIES AND
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**PROFESSIONALS CHALLENGES IN IMPLEMENTING THE
SAFETY MANAGEMENT IN CONSTRUCTION SITE IN
PENANG**

Dissertation submitted in partial fulfilment
Of the requirement for the award of
Bachelor of Quantity Surveying (Honours)

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ABSTRACT

In the last 20 years or more, there have been substantial decreases in the number and rate of accidents in construction industry. Construction, on the other hand, remains a high-risk industry. Its reputation and image have been damaged by high incidence of accidents and deaths. The construction sector is still regarded as one of the most risky and deadly industries in the world (Hinze, 2008). Building companies, contractors, employees, ordinary people, no one is interested and aware of the safety issues of construction practices (Hasan Sarkar, 2015). There is an overwhelming shortage of specific rules, regulations and guidance related to construction safety issues. According to Zhiqiang Li (2018), less supervision of the relevant management department is one of the problems. The aim of this research is to establish the implementation of safety management in construction projects in order to reduce accidents at project site. The research methodology used in this research was quantitative method by using questionnaire survey. The data collected through a questionnaire survey were analysed by using Statistical Package for the Social Sciences (SPSS) version 25.0. The sector has made a significant contribution to the country's economic development. Thus, questionnaires survey was carried out to give a better view of the challenges of implementation safety management in construction site in the Malaysian construction industry. It is distributed via email. The research showed that there were some challenges to implement a safety management culture at the construction site. However, if construction safety management is not implemented consistently, accidents can occur, posing a threat to the country's economic progress. The focus of the research will be on Malaysia construction industry. The report will also highlight knowledge and the relevance of safety management in construction projects.

Keywords: *safety management, construction industry, accidents*

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CHAPTER 1

INTRODUCTION

1.1 RESEARCH BACKGROUND

According to Ahmadon (2006) construction sites are generally complex and sometimes unsafe to the workers and environment. It is one of the most risky and dangerous workplaces because of high number and occurrence of accidents. Security in the building is therefore one of the world's major problems in the construction industry, particularly in mega building projects (Md Ulang et al, 2014).

The statistics of accidents at construction sites give us a picture that the Malaysian construction industry is one of the critical sectors that needs a huge and fast overhaul from the current site safety practices (Abdul Rahim *et al.*, 2008). According to Rosli Ahmad (2008), the right and good safety programs would definitely help in reducing injuries at construction sites and also to minimize construction expenses, increase productivity and cost-effectiveness and more importantly it could save lives of workers and subsequently contribute positively to the construction industry and the nation as a whole.

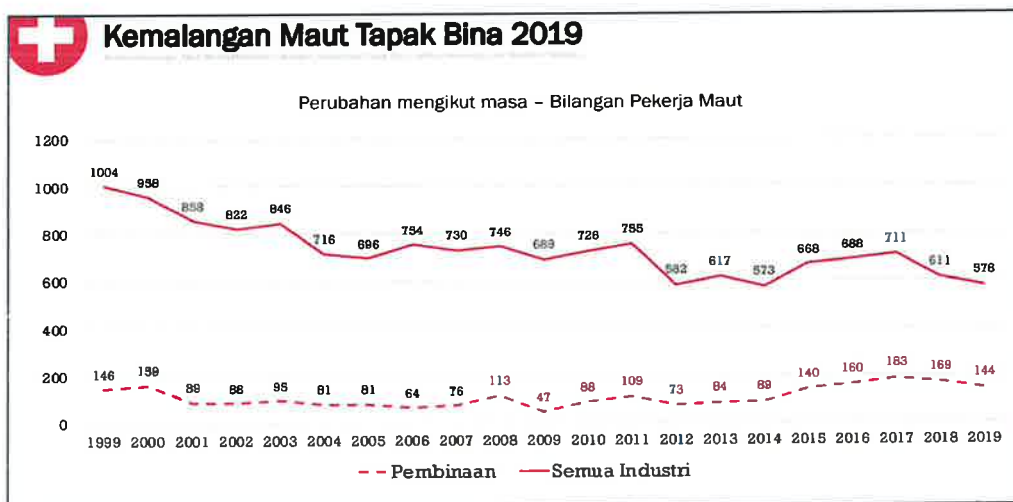


Figure 1.1: Data Accidents in Construction Site 2019

Source: *Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP)*