DEPARTMENT OF QUANTITY SURVEYING
FACULTY OF ARCHITECTURE, PLANNING & SURVEYING,
UNIVERSITI TEKNOLOGI MARA
SERI ISKANDAR
PERAK

THE USE OF PERSONAL PROTECTIVE EQUIPMENT AMONG LABOURERS IN HIGH RISE PROJECT

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PREPARED BY: WAN AMIR ADHAM BIN WAN ZULFIKRI (2018262354)
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ABSTRACT

Construction work is a very hazardous and complicated job. Some construction site jobs are building houses, roads, tree forts, workplaces, and repairing and maintaining infrastructures. All of those works include many hazardous tasks and conditions such as working with height, excavation, noise, dust, power tools, and equipment. The most common fatalities are caused by the fatal four which are falls, being struck by an object, electrocutions, and being caught in between two objects (Goh *et al.*, 2016). Accident on the construction site is very common nowadays. There are many factors that cause the accident on construction site and it increases year by year. Some of the factors are lack of supervision, lack of adherence to safe work technique, failure to wear personal protective equipment (PPE) and failure to comply with the safe use of tools, vehicles, and machines. (Hoła and Szóstak, 2017; Ayob *et al.*, 2018). Personal Protective Equipment (PPE) is the key to personal safety at the worker's level. Often overlooked and mostly considered as being only a minor player in the overall site safety, PPE can be a significant determining factor between an accident and safety (Farooqui *et al.*, 2009). Therefore, this research aims to determine the usage of PPE in a high rise project. In alignment with the aim, two objectives have been constructed and the objectives are to identify the type of personal protective equipment to be equipped at a high rise project and to determine the compliance on the usage of personal protective equipment in high rise projects. This research adopted a quantitative approach through a questionnaire that has been constructed using Google Form and the sample was taken by using a simple random sampling technique.

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CHAPTER 1

INTRODUCTION

1.0 Background of Research

Construction work is a very hazardous and complicated job. Some construction site jobs are building houses, roads, tree forts, workplaces, and repair and maintain infrastructures. All of those jobs include many hazardous tasks and conditions such as working with height, excavation, noise, dust, power tools, and equipment. The most common fatalities are caused by the fatal four which are falls, being struck by an object, electrocutions, and being caught in between two objects. The safety and health issues in the construction industry need to pay more attention due to the frequent development of high rise building in the country (Goh *et al.*, 2016)

Accident on the construction site is very common nowadays. There are many factors that cause the accident on construction site and it increases year by year. Some of the factors are lack of supervision, lack of adherence to safe work technique, failure to wear personal protective equipment (PPE) and failure to comply with the safe use of tools, vehicles, and machines. The construction industry has a very high place in the ranking of individual sectors with regards to the accident rate (Hoła and Szóstak, 2017; Ayob *et al.*, 2018)

Personal Protective Equipment (PPE) is the key to personal safety at the worker's level. Often overlooked and mostly considered as being only a minor player in the overall site safety, PPE can be a significant determining factor between an accident and safety (Farooqui *et al.*, 2009).