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THE EFFECTIVENESS OF PERSONAL PROTECTIVE EQUIPMENT FOR LABOURS IN HIGH RISE BUILDING PROJECTS

Final Project submitted in partial fulfilment
of the requirement for the award of
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ABSTRACT

Personal Protective Equipment is the most important used for the labours when make a work at the construction sites especially the labours who involved in the high rise building projects. Hence, the construction of high rise buildings is rapidly expanding in Malaysia. There are 2 section that can be affect to the accident happen which is unsafe act and unsafe condition. The example for unsafe act is like failure to use personal protective equipment, unsafe material handling, failures to follow the safety procedures. Then, the unsafe condition is improper guarding of equipment, improper dress and detective tools and equipment. So, the research aim is to determine the effectiveness of Personal Protective Equipment for labours in high rise building projects. The objectives of this research are to determine the types of Personal Protective Equipment used for labours and to determine the effectiveness of PPE used as well to recommend mean for improve that effectiveness. In order to achieve the aim, the 44 questionnaires were distributed to the Contractor Grade 7 in Pulau Pinang area and all the data collected were analyzed using statistical analysis software known as Statistical Package Social Sciences (SPSS). Hopefully this research can bring a good affect to the contractors and labours due the types of Personal Protective Equipment used and their effectiveness in high rise building projects. It's also giving recommend a means for improvement of Personal Protective Equipment due to reduce the number of accidents happen.

Keywords: Effectiveness, Personal Protective Equipment, High Rise Buildings, Labours

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CHAPTER 1

INTRODUCTION

1.0 INTRODUCTION

Safety can be classified as the control of recognized hazards to achieve an acceptable level of risk. In other words, it is refer to the condition of being protected from any injury, damages happen towards the labours plus to reducing the number of accidents at the site (Govindbhai & Ishwarbhai, 2013). Safety is very important especially in the site as to prevent any unpredictable events. On the other hand, safety and health at the construction site is involve with the physical and psychological well-being of workers in the construction sites and also involve with the people which are related in construction (Yemul & Darade , 2014). All the hazardous materials in the buildings must be identified to ensure the workplace is safe and easy to handle if any unexpected things happen (Craighead, 2009).

The construction industry is one of the most important sectors in the world. It is due to the country's economy being more stable and competitive among the other countries (Govindbhai & Ishwarbhai, 2013) Today, construction industry in Malaysia brings a good impact towards economy such as providing huge buildings, high-rise buildings and also can reduce unemployment rate for skilled labours and unskilled labours (Sakthiniveditha & Pradeep, 2015). The construction industry also puts the safety issues in high priority because it is related with the safety towards the labours and involves the life of the labours. Next, the personal protective equipment (PPE) also brings major issues for the labour to make sure that the rate of fatal accident is