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**IMPACTS OF OCCUPATIONAL SAFETY AND HEALTH
(OSH) MANAGEMENT TOWARDS WORK ACCIDENT IN
ACHIEVING SUSTAINABLE CONSTRUCTION**

Dissertation submitted in partial fulfilment
of the requirement for the award of
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ABSTRACT

Occupational Safety and health (OSH) management has become important part of to be taken on the construction site. The main aim is to reduce the work accident in construction site and reach the objective which is to have a safer workplace for all workers. Systematic OSH management is expecting the unexpected or in other words it is a tool which helps reduce hazards in construction projects. OHS includes the laws, standards, and programs which need to be followed at all construction site. Despite of OSH management are being applied, the accident is still occur at the construction site. This research objective to recommend the suitable strategy to improve the OSH management in achieving sustainable construction. Based on the review of the literature on construction hazard and OSH management on construction site, an online survey was distributed to potential professionals on safety in construction site. Five respondent were chosen from construction site based across Johor Bharu, Johor. Analysis of the responses demonstrated that a knowledge is very important in to avoid accident during construction as most of the responses was to educate the workers about the safety in the construction site. The result indicate that the Occupational Safety and Health management do reduce the work accident, increase the efficiency and improve the productivity in the construction industry. On this basis, it is recommended that all of the construction companies fully practice laws, standards, and programs of OSH management in each construction. Further research is needed to identify other factors that could strengthen the effectiveness of safety management at construction site.

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CHAPTER 1

INTRODUCTION

1.1 Background of Study

The most dangerous sector of land-based labor is construction. On average, 5000 construction accidents were reported on a building site per year. Construction employs around 6% of Malaysians, but it accounts for 20% of fatalities, making it the industry sector with the highest number of documented fatalities (Babulal, 2020). Aside from the human factor, the increasing number of accident cases is concerning, as it may result in a loss of workforce, so harming development. As green and sustainable approaches gain popularity, there is an opportunity to promote worker safety and health as an essential component of true sustainability.

The reason is that certain features of green building design could increase job hazards (i.e., despite increasing usage of skylights and atria in buildings, light increases and offers a sense of larger space, but they also raise construction fall hazards). There are many variables that have contributed to construction project accidents, including human factor, worksite factor, organizational and management factor, and external factor as well (Abdul Aziz et al., 2019). Nevertheless, Norman states that inappropriate ergonomic design environment and supporting policy were the factors contributing to construction accidents. In addition, the variables that can contribute to construction accidents are also unsafe acts and unsafe conditions.

Accidents on the building site will definitely have an influence on the construction project. The effects of construction accidents can be divided into two. Economic impact and social impact. In addition, it has been shown that accidents have been demonstrated to have an impact on workers' psychological well-being and attitude (Czabała et al., 2011). Accidents that have occurred in a construction project may cause a delay in the completion of a construction project related to the time factor in the performance of the project (Nguyen et al., 2014). In addition, the accident has had an impact on project in terms of indirect costs to the employer and employees in the workplace (Head & Harcourt, 2020). This is due to an increase in expenditure affecting the financial of the project. Adam is also