

**DEPARTMENT OF QUANTITY SURVEYING
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**SAFETY MANAGEMENT FOR WORKERS IN
DEMOLITION WORKS**

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of the requirement for the award of
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ABSTRACT

Demolition work is performed with the help of certain equipment and various suitable legal methods. Demolition occurs because some of the buildings have reached their limit of life or because the buildings bring a lot of danger to the occupants. Thus, the aim of this research is to investigate the safety management for workers during demolition operation. While the objectives are to identify the safety precaution taken before and during the demolition process for workers and to determine the accidents that can occur during the demolition process that can injury the workers. In order to achieve the objectives, the data of this research will be collected through qualitative method which is interviewing the project manager that involved in the demolition works. The safety precaution in demolition works can be divided into three stages which are pre- demolition stage, demolition stage and post demolition stage. All of these stages required a lot of safety precaution as demolition operation is one of the complex operation. If there no precaution to be taken, workers can faced accidents such as fall, slip and trap or being struck between heavy machinery or maybe hurt after get hit by falling object. The suggestion to maximize the safety precaution and minimize the accidents during demolition works are required in order to keep the workers' safety and health safe. The recommendation was made to broadening the scope of this research to identify the others type of precaution that must be taken and to identify more accidents can happened if there is no precaution action in demolition works. Hopefully with this research, a clear exposure regarding the safety management in demolition works can be identify.

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CHAPTER 1

INTRODUCTION

1.1 Overview

The demolition of buildings and other man-made structures can be defined as demolition. According to Rath and Khandve, (2014) the demolition work is the destruction or dismantling or collapse of large building after achieving their useful life. The demolition process with legal procedure is performed with the help of some equipment and various suitable methods. Work on demolition is done because some buildings have reached their life limit or because the buildings bring a lot of danger to the occupants. Simply put, poorly designed building and older buildings are destined for demolition. Demolition operations should be performed as fairly professional and with a scientific perspective and a situation review, the most suitable method of demolition of buildings should be chosen, more importantly, the safety issues of demolition are very important (Foruzesh, 2016). It has been proven that many aspects have to be recognized before the demolition work begins.

According to Foruzesh, (2016) there are buildings in the middle aged and need to be rebuilt, so in that case, demolition work of that building should be made. The researcher used that to analyze the new methods for demolition. With proper planning and implementation of the demolition operations for a variety of steel structures and their parts in a variety of ways, the researcher finds ways to minimize damage to persons and property if there is a good method used in the demolition work. Foruzesh, (2016) presented that the methods chosen must protect the workplace safety and health, plus it can reduce environmental pollution before and during demolition work. This research is done by only reviewing the relevant instructions, guidelines and procedures of the demolition.