

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

**CONTRIBUTING FACTORS TO POOR AIR
QUALITY LEVEL ON CONSTRUCTION SITE IN
KLANG VALLEY**

Final Project submitted in partial fulfilment
of the requirement for the award of
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**PREPARED BY: NUR ATIQA BINTI MUSI
ABDULLAH
(2018262544)
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ABSTRACT

Construction industry is one of the generating factors towards the wealth of the economy in Malaysia. On the other hand, the construction industry also generates pollution to the surroundings. Therefore, it is crucial in order to identify the most severe types of air pollution to the construction industry. Besides that, the satisfaction level of the construction workers on the level of air quality is also crucial to be identified in order to acknowledge the level of air pollution on the construction site.

In order to achieve the objectives of the identification on the severity and the satisfaction level of the air quality, the construction workers needed to be involved to give data, comments and opinions on the level of the air quality. Hence, this final project focused on the satisfaction level of the construction workers on the air quality at the construction site.

The objectives of this final project were to identify the sources of air pollution on the construction site and the satisfaction level of the construction workers on the level of air quality at the construction sites.

Then, to achieve the objectives of this study, data collection from 50 respondents on the construction site workers in Klang Valley were distributed. In return, there were 35 questionnaire to be analysed. The obtained data were analysed using Statistical Package for Social Science (SPSS) version 25 software.

From the findings, it was found that the respondents were not very satisfied with the air quality on the construction site. Therefore, a few strategies were recommended to increase the air quality on the construction site.

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TABLE OF CONTENT

ABSTRACT	i
ACKNOWLEDGEMENT	ii
LIST OF ABBREVIATIONS	vi
CHAPTER 1	
INTRODUCTION TO PROBLEM	1
1.0 Introduction.....	1
1.1 Problem statement	3
1.2 Research aim and objectives.....	6
1.4 Scope of research.....	6
1.5 Organisation of the chapters	7
CHAPTER 2	
LITERATURE REVIEW	9
2.1 Introduction.....	9
2.2 Causes of bad air quality.....	11
2.3 Air pollution sources	15
2.4 Air quality act.....	17
CHAPTER 3	
RESEARCH METHODOLOGY	22
3.1 Introduction.....	22
3.2 Research design	22
3.3 Research strategy.....	24

CHAPTER 1

INTRODUCTION TO PROBLEM

1.0 INTRODUCTION

“Air Quality” refers to the condition of the surrounding air within us. Good air quality is related to the degree of air on which whether they are clean, clear and most importantly is free from any pollutants such as smoke, dust and smog among other gaseous impurities in the air. The air quality can be determined by assessing variety of pollution indicators. Besides, the good air quality is required to preserve the exquisite balance of life on earth for humans, plants, animals and other natural resources. It is a threatening when the pollution in the air reaches a higher level of concentration.

Many causes contributed to the increasing concentration of pollution in the air quality. One of the causes is the construction activities. The emissions from the construction processes originate from both the physical processes of demolition and construction activity caused from the heavy machinery that is used to carry out the work (non-road vehicles). The construction activity may include lots of operation of diesel-fuelled machinery, process of crushing, screening, cutting, drilling, bulldozing, pulling/tearing down and the site work that includes excavation, soil-stripping, and ground levelling (Kumar et al 2012 as cited in Rohman, 2014).

In Malaysia, the construction of the buildings, road and other facilities contribute to the decreasing of air quality. Besides, there are several building constructions in Malaysia being reported by that public that it may harm them