

**CENTRES OF STUDIES FOR QUANTITY SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
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**FIRE SAFETY MANAGEMENT IN PRIVATE OWN,
HERITAGE MUSEUMS IN GEORGE TOWN, PULAU
PINANG**

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ABSTRACT

Fire threatens all buildings and its effect can be disastrous not only to human being but also in economic term especially to the heritage museums. The loss of property that forms a part of cultural resource which is irreplaceable where architectural and historical integrity can be vanished easily when there is unsuitable fire protection. Some of the problems identified in this research were lack of fire safety management and the structure of the museums were too old to resist fire. The suitable and sensitively applied of fire safety management should be considered as part of strategic plan in long term preservation of any heritage museums. The aim of this research is to investigate the current practice and provide recommendation on best level of fire safety management in heritage museum, George Town, Pulau Pinang. Pulau Pinang play an important role as they are significant to architectural value and have become the heritage sites. The objectives are a) to identify the current practice of fire safety management in heritage museums, b) to analyses the most current fire safety management implementation in heritage museums, George Town, Penang and c) to suggest in improving the best level of fire safety management in heritage museums. The data were collected by observations, literature review and interview methods at the chosen heritage museums. The result of this study will provide benefit for the other owner of heritage museums to provide fire safety protection by having the best performance in fire safety management. Form the survey, there are eight type of fire safety management should apply in the heritage museums. The findings of the study are able to improve the better understanding of fire safety management in heritage museums.

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TABLE OF CONTENT

ABSTRACT	i
ACKNOWLEDGEMENT	ii
LIST OF FIGURES	vii
LIST OF TABLES	ix
LIST OF ABBREVIATIONS	x
CHAPTER 1	1
INTRODUCTION	1
1.0 BACKGROUND OF STUDY	1
1.1 PROBLEM STATEMENT	3
1.2 RESEARCH QUESTIONS	6
1.3 RESEARCH AIM	6
1.4 RESEARCH OBJECTIVES	6
1.5 THE SCOPE OF RESEARCH	6
1.6 RESEARCH METHODOLOGY	7
1.7 SIGNIFICANT OF STUDY.....	8
1.8 SUMMARY OF CHAPTERS.....	8
CHAPTER 2	10
LITERATURE REVIEW	10
2.0 INTRODUCTION.....	10
2.1 FIRE.....	10
2.2 FIRE SAFETY PRACTICE	12
2.2.1 Active Fire System.....	14
ii. Smoke Detectors and Fire Alarm.....	15
2.2.2 Passive Fire Safety System	17

CHAPTER 1

INTRODUCTION

1.0 BACKGROUND OF STUDY

In Malaysia, there are a lot of heritage buildings that have been classified and change the functions from its original into several categories such as heritage museums, pre-world war shop houses, colonial office buildings, religious buildings, heritage libraries and heritage hotels. For the heritage museums, they are consisting of Malay architecture, Portuguese architecture, Dutch architecture and British architecture that show different type of culture to the new generation.

In fact, Pulau Pinang is also known for its heritage character, especially in the city of George Town, which has a history of over 200 years. Furthermore, George Town, on the island of Pulau Pinang, is located in the north-eastern corner of Penang Island. It is Malaysia's second-largest city. In 2008, UNESCO designated Pulau Pinang, the capital of George 47 Town, and Melaka, the state capital of Malacca, as World Heritage Sites. George Town is the capital. With its colonial history, it's not shocking that Penang has a variety of tourist attractions.

They are listed as Heritage Buildings or National Heritage Buildings under the National Heritage Act 2005 (Act 645). The heritage museums also consist of private own and government which can be found that the implementation of fire safety management is slightly different. However, the responsibilities in taking care of the private own heritage museums need extra care rather than under the government. It is because the owners of the private own have to manage the fire safety according to the requirement needed in the heritage museums.

The Fire Rescue Department Malaysia emphasized the aspect of fire protection and extinguishment to prevent the fire from happen. Housing and Local Government Minister Zuraida Kamaruddin state that "Starting from Jan, 2019, the fire certificate (FC) is a requirement for privately owned buildings and all government building are already compulsory of the FC from Fire and Rescue Department"(Star online news 2018). It is the requirement needed because fire is the biggest fear to