



**DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITY TEKNOLOGI MARA
SHAH ALAM.**

*A Study on Implementation and effectiveness
of Passive Fire Design at High Rise Building*

**NUR FADIAH MUHAMMAD
2004110702
BACHELOR OF BUILDING SURVEYING (HONS)**

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2004110702

ABSTRACT

The effective passive fire design is important for all building especially high rise building. It is represent a good planning, good design and sound construction which would enhance the chance of safety provide when active fire system failed to completing the other basic functions of building such as ventilation and circulation

This dissertation which titled " a study on implementation and effectiveness of passive fire design at high rise building" is carried out. This study comprises of 6 chapters. The general sense of fire will be discussed on first chapter as introduction. The related regulation also discussed to analyses whether the design that implemented on the case study is compliance with regulation or not. The three high rise building at Subang Jaya are selected to study the implementation of passive fire design on office building. The elements of means of escape were undertaken to highlight on the study. Analysis for this research is based on observation and interview was being found during on site visit. Other than this, the calculation will be done to proof the improvement of implementation passive fire design that applied on case study.

Based on finding and analysis of this study, it can conclude that most of design of means of escape that practice at high rise building is comply with building regulation that state on UBBL. However, some of practices still fail to fulfill the regulation. Other than this, the design for disabilities people also not provided.

It is recommended that for the future high rise building to accommodate facilities for disable people to give them second chance to escape safely in the event of fire.