



**DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA**

FIRE SAFETY OF HERITAGE BUILDINGS

**This academic project is submitted in partial fulfillment of the
requirement for the Bachelor of Building Surveying (Hons.)**

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"I hereby declare that this academic project is the result of my own research
except for the quotation and summary which have been acknowledged"

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ABSTRACT

Malaysia has always been open to ideas and influences from both East and West. It is rich with tremendous architectural history of great artistry and it is showing many cultural influences ranging from the simplest built shelters to the mega projects of the late 20th century.

Somehow, this beautiful and unique architecture is exposed to the danger of fire. The reasons why the historic buildings are exposed to the danger of fire are because of the elements of the building itself. The elements are majority from combustible materials like timber and also other fabric that is poor in fire resistance. Plus, the requirement of fire safety on the building is very poor since it's built without any concern on fire safety requirement.

Lessons of major fires of historic buildings such as National Museum building, High Court building Kuala Lumpur, Rumah Pak Ali and Sultan Abu Bakar Royal Museum which is burnt almost the building. Hence, there should be a determination to upgrade fire resistance at historic building to ensure that the danger of fire can be avoided. This dissertation will cover on identifying the fire requirement on historic building where these requirements will be looked into written regulations and other related acts that have been amended. Furthermore, the selected buildings (National Heritage) will be examined for their compliances for fire safety. At the end of this dissertation, some recommendations and suggestions in upgrading the current fire safety to a better condition will be spelled out.

This research will be conducted with interviews, site observations and distributing questionnaires to the building occupant. Plus, the references are made from the internet and books to gain more information and ideas to develop this research.

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