

# Readings in Contemporary Construction Technology and Management

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Muhammad Abu Eusuf



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# READINGS IN CONTEMPORARY CONSTRUCTION TECHNOLOGY AND MANAGEMENT

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## THE DEVELOPMENT OF FIRE RISK ASSESSMENT METHOD FOR HERITAGE BUILDING

Md. Najib Ibrahim<sup>a</sup>, Khirani Abdul Hamid<sup>a</sup>, Mohd Shariffuddin Ibrahim<sup>a</sup>, Azrin Mohd Din<sup>a</sup>, Rodzyah Mohd Yunus<sup>b</sup>, Mohamad Ridzuan Yahya<sup>c</sup>

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### Abstract

This paper examines the criteria and attributes for assessing fire risks in building. Using the Analytical Hierarchy Method (AHP) a survey questionnaire was developed based on the identified criteria and attributes of fire risks for heritage buildings in Malaysia. The survey questionnaire was administered to consultant, Fire Rescue Department (FRDM) personnel, maintenance professional and insurance professional. The data were analysed using ExperChoice2000 software. The result of the research is the weightage for each criterion and its respective attributes.

*Keywords:* Fire risk assessment; heritage building; AHP

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