CENTRE OF STUDIES FOR BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA

COMFORT LEVEL IN TUANKU MIZAN ZAINAL ABIDIN MOSQUE

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ABSTRACT

Malaysia is hot and humid throughout the year due to its location near to the equator of the Earth. The location has influences the climate features including temperature, humidity, rainfall and wind which then cause different in weather during the day and night. This kind of rich weather can affect the human comfort in building especially when the building design is promoting the natural ventilation.Natural ventilation is the process of supplying and changing air through an indoor space without using mechanical systems. By changing the dirty air around building with fresh air through the opening space provided on building, natural ventilation is expected to offer comfort to the interior part of a building.The effects on users and how they feel towards human comfort in the building might be different either comfortable or fussy depend upon the people themselves.The aim of this study is to determine the comfort level among the mosque's users that using natural ventilation. The objectives were first, to identify the thermal comfort in the mosque, secondly, to investigate the users' satisfaction in the mosque and thirdly, to analyze the relation between thermal comfort and users' satisfaction in the mosque. The finding revealed that the natural ventilation which contributes to thermal comfort in building is highly correlated with the users' satisfaction.

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