

THE THERMAL COMFORT LEVEL OF FEMALE PRAYING  
AREA AT SURAH BESTARI ISKANDAR PERBANA  
IN SERI ISKANDAR, PERAK

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MARCH 2014-JULY 2014

## ACKNOWLEDGEMENTS

Praise to Allah S.W.T for the completion of this research paper. I would like to say alhamdulillah to Allah S.W.T for giving me the strength to finish up this report, to fulfill the requirement for Bachelor of Science in Architecture, Universiti Teknologi Mara.

Firstly, I would like to thank to my supervisor Cik Rosmawati, for her guidance ever since the research progress stage until the completion of this research paper. The research process not only help student to generate a report writing but also to improve their communication skill with the outside world. The preparation of this research paper has giving me an opportunity chance to improve my communication and writing skills in dealing with the problem, by achieved the research aim and objectives based on the study. I would like to express my highest appreciation to my beloved parents, for their encouragement and financial support.

My thanks also go to my faculty, Faculty of Architecture, Planning, and surveying (FSPU). I would like to thank to all my lecturers in Department of Architecture for their patient in helping us to complete this research task. I also dedicate this thank to Assoc. Prof. Dr. Ismail, for his guidance, suggestions, and advice during the study which had helped me to finish up the production of this research report. Last but not least, I would like to acknowledge those who have helped me in various ways.

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## **ABSTRACT**

This research is on the thermal comfort level in female praying area at Surau Bestari Iskandar Perdana in Seri Iskandar, Perak. The factor that contributes to the human thermal comfort level in the female praying area is the temperature. Thus, the main focus of this research is to determine the temperature level of its surrounding surfaces.

The research methodology covered the literature review, and data collection through observation and photographs. The first stage is data collection through reading material, as the secondary data. The reading material must support the topic of research study. The second stage is to observe and take photograph that involved the activities of human behavior.

The last stage of data collection is to take the measurement the reading of thermal comfort and the percentage of humidity in the air for the female praying area. Using the data derived from the systematic observation with various methods, this study found out that the temperature for the Surau does not achieved the standard of the thermal comfort level for the users. The users felt uncomfortable during certain time, such as the peak hour of praying time.

**KEY WORDS** : Thermal comfort, Temperature level, Humidity

# **1.0 CHAPTER ONE : INTRODUCTION**

## **1.1 Problem Statement**

The human comfort are depends on the temperature level and relative humidity of the surrounding surfaces. It is to determine the condition of thermal balance between the human body and environment. The main factor that effect thermal comfort level of female praying area at Surau Bestari Iskandar Perdana is the temperature.

## **1.2 Purpose of the study**

The purpose of the study is to measure the comfortable level of people. Other purpose is to raise the awareness of importance of keeping the level of human comfort at very reasonable level. From the investigation, the temperature of female praying area in Surau Bestari Iskandar Perdana was the main effect of the thermal comfort level to the public user.

The temperature of female praying area need to fill the necessity of people by achieved the thermal comfort level. This research will focus on what is the main effect and solution on how to improve the thermal comfort level. By using the observation and data collection method, it can be identify the knowledge with the sufficiently size and suitable position of female praying area are reasonable for fulfill the needs for residents.