

**THE COOLING EFFECT OF WATER FEATURE IN A HOUSE ON
THERMAL COMFORT**

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ABSTRACT

This research is an attempt to study the cooling effect of water feature in a house on thermal comfort. The idea is to collect data such temperature and humidity at the chosen spaces and houses. Later, to compare its temperature and humidity of both houses which is more compliance to the criteria of thermal comfort. A total of two houses were chosen as case study for this specific research. Those houses are located at Desa Seri Iskandar, Seri Iskandar, Perak. The houses were chosen because both of the houses has its own water feature within the house boundary. The method used for this research was observation, measurement and analysis. The purpose of this method is to gather quantitative information from both houses. The finding of the study shows that the water feature does effect the temperature and humidity of its surrounding. Thus, effect the thermal comfort. Other than that, the wind flows also does play a role in enhance the cooling effect. This is because of the process of evaporation. Nevertheless, the water feature plays a vital role in enhancing the cooling effect of a space as it effects the temperature and humidity. The water features helps to maximize the cooling effect with the help of wind flow and thus enhancing the indoor thermal comfort of a space. Therefore, thermal comfort is achieved.

TABLE OF CONTENTS

ABSTRACT.....	I
DECLARATION.....	II
VERIFICATION.....	III
TABLE OF CONTENTS.....	IV
LIST OF TABLE.....	VII
LIST OF FIGURE.....	VIII
LIST OF IMAGE.....	VIII
ACKNOWLEDGEMENT.....	IX

CHAPTER 1: INTRODUCTION

1.0 Introduction.....	1
1.1 Problem Statement.....	3
1.2 Aim and Objectives.....	3
1.3 Scope of Research.....	4

CHAPTER 2: LITERATURE REVIEW

2.0 Introduction.....	5
2.1 Definition of Cooling Effect.....	9
2.2 Definition of Thermal Comfort.....	9
2.3 Definition of Water Feature.....	10
2.3.1 Water Feature Design.....	10
2.3.2 Water Feature Material.....	11
2.3.3 Water Feature Location.....	11

CHAPTER 3: RESEARCH METHODOLOGY

3.0 Introduction.....	13
3.1 Study Site.....	13
3.2 Observation.....	14
3.3 Measurement.....	15
3.4 Research Duration.....	15
3.5 Data Collection.....	16

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