

Universiti Teknologi MARA

**“Web based Expert System: Calculation for
Body Mass Index using Fuzzy Logic”**

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DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries that had been duly acknowledge.

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ABSTRACT

Body Mass Index (BMI) is a formula to assess a person's body weight relative to height. It's a useful, indirect measure of body composition, because it correlates highly with body fat in most people. In this project, the fuzzy sets of parameter height, weight, age and Body Mass Index using fuzzyTECH V4.13 fuzzy logic toolkit. The Web based Body Mass Index system is being proposed to assist user, doctor or owner of gymnasium to determine the status of Body Mass Index. The system also will give recommendation and store the information in databases for statistic reporting purposed.

Table of content	Page
Declaration	i
Acknowledgement	ii
Abstract	iii
Table of Contents	iv-v
List of Figures	vi-vii
List of Tables	viii
Chapter One Introduction	
1.0 Background	1
1.1 Problem Statement	1
1.2 Objective	2
1.3 Scope	2
1.4 Significance	2
1.5 Thesis Overview	3
Chapter Two Literature Review	
2.0 Introduction	4
2.1 Body Mass Index	4-5
2.2 Fuzzy Logic	6-8
2.3 Expert System	8-10
2.4 Fuzzy Expert System	10-12
2.5 Web based Expert System	12-16
2.6 PHP	16
2.7 MySQL	16
2.8 Database	17
2.9 Different Technique solve different problem	17-18
2.10 Summary	18

Chapter Three Research and Methodology

3.0	Introduction	19
3.1	Research Approach And Methodology	19-36
3.2	Material	36-37
3.3	Summary	37

Chapter Four Fact and Finding

4.0	Introduction	38
4.1	Discussion of result	38-62

Chapter Five Conclusion and Recommendation

5.0	Conclusion	63
5.1	Constraints	64
5.2	Recommendation	65

References