

Universiti Teknologi MARA

**Prediction on Heart Disease using
Multilayer Neural Network**

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ABSTRACT

The early detection of heart disease is vital to avoid sudden death. There are several symptoms that are familiar to heart disease patients by analyzing the symptoms and assisted by specific device, doctors would be able to conform the heart disease. Since the conventional method of heart disease detection is quite tedious, the automatic detection is proposed. In order to automate the early detection an adequate algorithm is needed. The algorithm must be able to receive input of patient's details, and generate the predicted result. Therefore this study is proposed to implement multilayer neural network in producing the heart disease prediction. The predictions are evaluated by the accuracy testing and the result is 50%, this is because the range of certain criteria is not defined yet.

TABLES OF CONTENT

CONTENT	PAGE
SUPERVISOR APPROVAL	i
STUDENT DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
TABLES OF CONTENT	v
LIST OF FIGURES	viii
LIST OF TABLES	ix
CHAPTER ONE: INTRODUCTION	
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Project Objectives	3
1.4 Project Scope	4
1.5 Project Significance	5
1.6 Summary	5
CHAPTER TWO: LITERATURE REVIEW	
2.1 Artificial Intelligence Technique	6
2.1.1 Artificial Neural Network	7
2.2 Heart Disease	10
2.2.1 Type of Heart Disease	10

2.2.2	Factor of Heart Disease	10
2.2.4	Technique been used to predict Heart Disease	13
2.3	Multilayer Neural Network	15
2.3.1	Algorithm of Multilayer Neural Network	15
2.3.2	Example of Application in Multilayer Neural Network	16
2.4	Multilayer Neural Network in Medical System	17
2.5	Summary	18

CHAPTER THREE: METHODOLOGY

3.1	Project Overview	19
3.2	Phase 1: Preliminary Study	22
3.3	Phase 2: Analysis Design	22
3.3.1	Input	22
3.3.2	Algorithm	23
3.3.3	Output	26
3.4	Phase 3: Implementation	26
3.5	Phase 4: Result Analysis	26
3.5.1	Evaluation	27
3.5.2	Documentation	27
3.6	Summary	27