EXPERT SYSTEM FOR MEDICAL DIAGNOSIS

This thesis is presented in partial fulfillment for the award of the Bachelor of Engineering (Hons) Electrical UNIVERSITI TEKNOLOGI MARA

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ACKNOWLEDGEMENT

In the first word, I would like to express "Syukur Alhamdulillah" to the almighty Allah s.w.t for giving me time to complete my final project and the report for the fulfillment of the requirement for a Degree of Bachelor of Engineering. In the process of finishing this project, I am really indebted to numerous persons that have contributed their time, effort and help very.

Firstly I want to express my sincere appreciation toward Pn. Kartini Salam for her valuable guidance and advices that was given to me. Thanks a lot for her support, for the time spend to complete this thesis and also for valuable guidance. Then, I would like to express my special thanks to Prof Ir Dr Shah Rizam Shah Baki for her ideas, time and guidance in completion of this project.

My heartiest thanks and appreciations towards my family as they always inspired me throughout my whole moment of study here. I also would like to enclose a thousand thank to my course mate and friends especially for Mohamad Azlee, Adnan, Mohd Hisyam, Nasri and Saiful for their support and encouragement, which make this project enjoyable and memorable one.

Finally my highest gratitude to Doctor Azizah and Doctor Azam in Medical Center UiTM, for their guidance and for providing me all the medical data and also thanks and my grateful to all those whether directly or indirectly involved in completion this project.

ABSTRACT

This paper will present a system that able to identify and monitoring the level of sickness of heart attack, diabetes and high blood pressure depending to the risk factors. Risk factors for this chronic disease are factors that do not seem to be a direct cause of the disease, but seem to be associated in some way. Having the risk factors for these diseases make more chances of getting a condition higher for Heart attack, Diabetes and Height Blood Pressure. The diagnosis process is based on the comparison of the risk factors that appear on a patient and medical result estimation depending to the percentage of risk factors occur.

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CHAPTER 1

INTRODUCTION

1.1 **Project Overview**

Intelligent systems have appeared in many technical areas, such as consumer electronics, robotics and industrial control systems. Most of these intelligent systems are based on fuzzy control and intelligence programming strategies which describe complex systems mathematical model in terms of linguistic rules. Since the 1980s new techniques have appeared from which fuzzy logic and other intelligence programming been applied extensively in medical systems. This paper surveys the utilization of Expert System for monitoring and indicating the level of Heart Attack, Diabetes and High Blood Pressure.

Risk factors are traits and lifestyle habits that increase the risk of disease. Extensive clinical and statistical studies have identified several risks factors for coronary heart disease (heart attack), Diabetes and Height Blood Pressure. Most of them can be modified, treated or controlled and some cannot. The more risk factors a person have, the higher the chances that he or she will develop heart disease, diabetes and high blood pressure. The best way to prevent a disease is to reduce the disease factors.