

BLOOD DISEASE DIAGNOSIS

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ABSTRACT

The purpose of this study is to apply the idea of Integrated Diagnosis System to the blood disease diagnosis where work is concentrated on the integrated of the rule based in certainty factor theory. This thesis can help the user by providing an expert system that takes into consideration to find the disease and presents identification as a possible treatment. The information about the symptom or blood test or both of this information will require. The reasoning of the result will come out together. The topics covered in this thesis including the introduction of system in general and details discussion of the applications, the method that been used in order to complete the project, the result, conclusion and some recommendation needs to be applied for a future.

CHAPTER 1

1.0 INTRODUCTION

1.1 BACKGROUND OF THE PROBLEM

Take care of healthy is important nowadays. This is because of the disease that can be spread widely has been increasing from day to day. It also can spread by the air, water or food. The problem is, how people can trace that they have the disease? Most of the disease that are identified from blood test has the potential causing the patient death, for example hepatitis B, cancer, blood pressure, dengue, and many more. Blood test is important to determine the disease that they are facing.

1.2 PROBLEM DESCRIPTION

Some people do not feel comfortable to consult doctor even when they suspect or feel something is wrong with their health. This is because to seeing a doctor, it takes times. Traveling distance to clinic and long waiting time can be a discouraging factor to people who does not posses own transport to consult doctor. The attitude about takes an easy in health is one of the cause why they don't want to see the doctor. It wastes their time and money. Common system for diagnosis of disease based upon only a set of symptoms. If the patient already has the result of their blood test, only the expert person such as the