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**THESIS TITLE RFID FOR DIABETICS : DESIGNING ARCHITECTURE
NETWORK IN INDONESIA**

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Abstract

Objectives

RFID for diabetics system has purpose to save more people lives and compress the number of deaths attributable to diabetes by providing patient's information regardless time and place. Moreover, this system introduces a new method for collecting and capturing information based on computerized technology. The movement from manual to computer will help people to perform their job. Therefore, other than to reduce number of deaths, this system is expected to reduce the work load for people and perform information activities more effective and efficient.

Method

In order to accomplish this research about RFID for diabetics system, the method used is more on literature study. Books, journals, articles and news are the sources of information for defending the designed system. Other than literature study, a personal experience and interview to expert are methods used to arrange this thesis.

Results

As result of the research is a new concept of information collection system , especially in medical history of patients. The result is named as RFID for diabetics system and currently, the system is designed to be used in Indonesia. In addition, results consist of network design, database design, security design and application design.

Conclusion

RFID for diabetics system is expected to help reducing number of deaths attributable to diabetes, especially in Indonesia. Moreover, this system certainly will lead to effectiveness and efficiency of time consumption by providing information anytime anywhere. In addition, the use of this system leads people to be conscious of modern technology.

Keywords

RFID, diabetes, information collection, VSAT, elliptic curve cryptography

PREFACE

The thesis of RFID for diabetics system is completed after a lot of research and an observation to surroundings. This idea came up when I looked back and reflected my bad personal experience dealing with this deathly disease, named diabetes. Diabetes has taken away my perfect life and threatens me with possibility of suffering it too. Moreover, the huge number of deaths caused by diabetes realized me to offer something new for creating a better tomorrow.

Related to the success of accomplishing my study and this thesis in time, I would like to express my gratitude especially to my family; my beloved father and my lovely mother, who fully support me all through my life and give me millions of love and never put doubt on me. I am also thankful to my brothers and sisters for their support and understanding during my study, especially in thesis writing.

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