Universiti Teknologi MARA

Mobile Fever Diagnosis
Expert System

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**Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Computer Science
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SUPERVISOR'S APPROVAL

MOBILE FEVER DIAGNOSIS EXPERT SYSTEM

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This thesis was prepared under the direction of thesis supervisor, Tuan Haji Bohari Wahijan. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfillment of the requirements for the degree of Bachelor of Computer Science (Hons).

Approved by,

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Tuan Haji Bohari Wahijan

Thesis Supervisor

January 26 , 2014

DECLARATION

I certify that this report and research entitles Mobile Fever Diagnosis Expert System are the product of my own research and that any ideas or cited in the references form the work of other researcher, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

The problem in most of the clinics around the world is the procedure of the patient to see the doctor. Patient need to register, queuing and this will consuming time. A Mobile Fever Diagnosis Expert System (MFDES) is developed to reduce the waiting time of the patient to see doctor for a treatment. The scope of this MFDES is for two type of fever that was the normal fever and dengue fever. This research has conducted in the Unit Kesihatan (UK) UiTM Seri Iskandar Perak.This MFDES was developed in android platform using the Visual Basic Language Programming. The MFDES is implemented through the rule-based expert system rule using IF THEN rule. The MFDES is able to diagnose fever based on the symptoms given in the system and provide recommendedation of the medicine depending on disease. The results from this project MFDES has reduce time that doctor take to diagnose patient if the patient disease wasfever type. The MFDES can be enhanced by adding more function, adding more type of fever and developed it into another programming language. Summary of MFDES based on finding and analysis show that MFDES diagnose faster than the manual diagnose.