

UNIVERSITI TEKNOLOGI MARA

**MEDICAL SUPPORT SYSTEM (MSS) FOR WARD
ROUND USING POCKET PC**

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**Thesis submitted in fulfilment of the requirements
for the degree of
Master of Science**

Faculty of Information Technology and Quantitative Sciences

September 2005

Candidate's Declaration

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi Mara. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This topic has not been submitted to any other academic institution or non-academic institution for any other degree or qualification.

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ABSTRACT

The usage of computer devices varies throughout the medical field, from the registration desk up to the medical ward. Handheld devices such as Pocket PC are portable and easy to use, thus are suitable tools to be implemented in this area. The objective of the project is to provide an alternative for doctors to use Pocket PCs as oppose to the wireless notebooks that are presently used for ward rounds. The systems and databases are developed based on two platforms; Windows ME on the desktop computer and Windows CE on the Pocket PC. The systems and databases that are developed in the two platforms are then synchronized in the MSS System. An extension of the MSS System is a prototype of an intelligent pharmaceutical prescription system. The system can be used to alert doctors of any incorrect prescription.

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