

**The Usefulness and Ease of Use of WAP Application for Local
Agriculture Product**

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**The Usefulness and Ease of Use of WAP Application for Local
Agriculture Product**

**A thesis submitted to college Arts & Sciences in partial
fulfillment of the requirement for the degree master
(Information Technology)
Universiti Utara Malaysia**

By

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ABSTRACT

Mobile devices and the appearance of wireless technology are rapidly increasing. However, the benefits of mobile applications to rural people particularly are not as obvious. This study identified and designed a WAP-based Agriculture seller system using WAPtor and MySQL. This study has included results of three questionnaires for knowing extend of technology among the agriculture field. This study also has used the prototype to measure and compares the acceptance of use between two different groups' seller of Changlun and student of Kolej Pertanian Malaysia to know the acceptance of technology. The results showed that the fruit sellers and framers in Changlun have not benefit from WAP technology as most of them have education below SPM. The study also shows that level education had improved the knowledge and the willingness of the use of technology as expected.

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LIST OF ABBREVIATIONS

| | |
|-------------|---|
| ASP | Active Server Page |
| HTTP | HyperText Terminal Protocol |
| HTML | HyperText Markup Language |
| IT | Information Technology |
| ICT | Information and Communication Technology |
| SQL | Structured Query Language |
| TAM | Technology Acceptance Model |
| UUM | University Utara Malaysia |
| UML | Unified Modeling Language |
| WAE | Wireless Application Environment |
| WAP | Wireless Application Protocol |
| WDP | Wireless Datagram Protocol |
| WSP | Wireless Session Protocol |
| WTP | Wireless Transaction Protocol |
| WTLS | Wireless Transport Layer Security |
| WML | Wireless Markup Language |
| WMLS | Wireless Markup Language Script |
| WWW | World Wide Web |

CHAPTER 1

INTRODUCTION

This Chapter consists of an introduction of the study, problem statement, research objectives, research scope, and research significant.

1.1 Background to the Study

Wireless mobile or WAP devices are made up of unique features such as ubiquity, personalization and site consciousness. This has to do with an environment where users are supported by computational facilities and resources in almost every aspect of their activities. While some existing applications are made suitable for mobile devices, there is emergence of new set of wireless application as a result of unique features. The general quest for Internet access serves as the motivation for the development of a new generation of wireless devices and wireless applications. The high demand for WAP applications have been within the business world. For this reason, there are now real-time applications that can access corporate LAN, intranet, database and email (Wutrich, Kablefleish, Griffin, and Passos, 2003).

The WAP-based services are universal, with high percentage ease of use with a reliable security. For the fact that WAP and Web tools are similar it will be more

The contents of
the thesis is for
internal user
only

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