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

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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

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