

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

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Universiti Utara Malaysia

2008

*THE
HARVEST*

**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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TABLE OF CONTENT

PERMISSION TO USE	i
ABSTRACT	ii
ACKNOWLEDGEMENT	iii
TABLE OF CONTENT	iv
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xii

CHAPTER 1: INTRODUCTION

1.1	Background to the Study	1
1.2	Motivation	3
1.3	Problem Statement	4
1.4	Research Objectives	5
1.5	Research Questions	6
1.6	Research Scopes	6
1.7	Research Significance	6
1.8	Report Organization	6

CHAPTER 2: LITERATURE REVIEW

2.1	Concepts and Definition	8
2.1.1	Wireless Application Protocol (WAP)	8
2.1.2	Definition of the Users	9

2.2	WAP Gateway Architecture	9
2.2.1	Wireless Session Protocol (WSP)	10
2.2.2	Wireless Transaction Protocol (WTP)	11
2.2.3	Wireless Transport Layer Security (WTLS)	11
2.2.4	Wireless Datagram Protocol (WDP)	11
2.2.5	WAP Session	11
2.2.6	HyperText Terminal Protocol (HTTP)	12
2.2.7	Wireless Application Environment (WAE)	12
2.3	The World Wide Web Model	13
2.4	Technology Acceptance Model (TAM)	14
2.5	Incorporation ICTs to the Life of Rural People	16
2.5.1	Global	16
2.5.2	Malaysia	18
2.6	Proposed WAP Network Structure	25
2.7	Benefit of ICT	26
2.8	Mobile Benefit	26
2.10	Summary	27

CHAPTER 3: RESEARCH METHODOLOGY

3.1	Research Design	28
3.2	Respondent	29
3.3	Research Instrument	29
3.4	Reliability Testing	30
3.5	Research Model and hypotheses	31
3.5.1	Perceived Usefulness	31

3.5.2	Requirement Analysis	32
3.6	Phases of the Methodology	32
3.6.1	Stating the Problem	33
3.6.2	Planning the Research Project	33
3.6.3	Gathering Data	33
3.6.4	Design Prototype	34
3.6.5	Usability Testing	34
3.6.6	Data Analysis	35
3.6.7	Reporting	35
3.6	Summary	36

CHAPTER 4: RESULTS

4.1	Requirements Model	37
4.1.1	Function of Requirements Model	38
4.1.2	Benefits of Requirements Model	39
4.1.3	Tools Used to Design Requirement Model	39
4.2	Unified Modeling Language (UML)	40
4.2.1	User Requirement	40
4.2.2	Use Case Diagram	41
4.2.3	Use Case Specification	41
4.2.3.1	View the Product details	42
4.2.4.2	Pre-order Product	43
4.2.4	Sequence Diagram	45
4.2.4.1	View the Product details	46
4.2.4.2	Pre-order Product	47

4.2.5	Class Diagram	48
4.2.5.1	Class Diagram: Panel	48
4.2.5.2	Class Diagram: Controller	48
4.2.5.2	Class Diagram: Data Package	49
4.3	Prototype Design (WAP) for Customer	49
4.3.1	Main Interface	49
4.3.2	View Product Information	50
4.3.3	Details of Customer	51
4.3.4	Save Product Information	51
4.4	Prototype for Further Information	52
4.5	The Result of Questionnaires	53
4.5.1	Changlun's Questionnaire	53
4.5.1.1	Demography	53
4.5.1.2	Propagation Technology among Sellers	57
4.5.1.3	Results of TAM	59
4.5.2	Kolej pertanian Malaysia's Questionnaire	61
4.5.2.1	Demography	61
4.5.2.2	Propagation Technology among Sellers	63
4.5.2.3	Results of TAM	63
4.6	Summary	71

CHAPTER 5: DISCUSSION OF RESULTS

5.1	Compare Changlun and Kolej pertanian Malaysia's Questionnaire	72
5.1.1	Education	72
5.1.2	Knowing the Technology	73

5.1.3	Acceptance the Technology	74
5.2	Summary	74

CHAPTER 6: CONCLUSION AND RECOMMENDED FURTHER STUDY

5.1	Limitation	76
5.2	Recommendation	76
5.3	Future Work	77
5.4	Conclusion	78

REFERENCES

APPENDIX: QUESTIONNAIRES

LIST OF FIGURES

Figure 2.1	:	WAP Gateway Architecture	10
Figure 2.2	:	The World-Wide Web Model	13
Figure 2.3	:	Technology Acceptance Model (TAM)	15
Figure 2.4	:	WAP Network Structure	25
Figure 3.1	:	The Research Process Involved in This Project	32
Figure 4.1	:	Use Case Diagram	41
Figure 4.2	:	Use Case Diagram View the Product Details	42
Figure 4.3	:	Use Case Diagram Pre-order Product	43
Figure 4.4	:	Sequence Diagram View the Product Details	46
Figure 4.5	:	Sequence Diagram Pre-order Product	47
Figure 4.6	:	Panel Class Diagram	48
Figure 4.7	:	Controller Class Diagram	48
Figure 4.8	:	Data Package Class Diagram	49
Figure 4.9	:	Main Page	50
Figure 4.10	:	View Product Page	50
Figure 4.11	:	Details of Customer	51
Figure 4.12	:	Save Pre-order Information	52
Figure 4.13	:	Further Information Page	52

LIST OF TABLES

Table 1.1	:	Where the Agriculture Seller sells the product	4
Table 1.2	:	The Agriculture Income for Changlun Sellers	5
Table 2.1	:	Farmer Education Levels in 1990	21
Table 2.2	:	Technology in Malaysia	24
Table 3.1	:	Number of Participant	29
Table 4.1	:	User Requirement	41
Table 4.2	:	The Age of Sellers	54
Table 4.3	:	The Gender of Sellers	54
Table 4.4	:	The Education Qualification of Sellers	55
Table 4.5	:	The Monthly Income of Sellers	55
Table 4.6	:	The Product That the Sellers Offering	56
Table 4.7	:	The Place Where the Sellers Sell Their Product	56
Table 4.8	:	Plants Grow by Sellers or Only Sell Those	57
Table 4.9	:	Family Members of Sellers	57
Table 4.10	:	Use the Computer	57
Table 4.11	:	Computer at Home	58
Table 4.12	:	Have Mobile	58
Table 4.13	:	Use the Internet	58
Table 4.14	:	Hear About Agribazar Portal	59
Table 4.15	:	Hear About WAP Application	59
Table 4.16	:	Use WAP Application	59
Table 4.17	:	Usefulness	60

Table 4.18	:	Ease of Use	60
Table 4.19	:	Actual Usage	60
Table 4.20	:	Profile of Respondents	61
Table 4.21	:	Propagation Technology among Students	63
Table 4.22	:	Reliability of Ease of Use	64
Table 4.23	:	Item-Total Statistic of Ease of Use	64
Table 4.24	:	Reliability of Usefulness	65
Table 4.25	:	Item-Total Statistic of Usefulness	65
Table 4.26	:	Reliability of Actual Usage	66
Table 4.27	:	Item-Total Statistic of Actual Usage	66
Table 4.28	:	Correlations between Variables	68
Table 4.29	:	Regression between Ease of Use and Actual Usage	69
Table 4.30	:	Regression between Ease of Use and Actual Usage	69
Table 4.31	:	Multiple Regression between Usefulness, Ease of Use	
		and Actual Usage	70
Table 5.1	:	Knowing the Technology	73
Table 5.2	:	Result of TAM	74

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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