

Universiti Teknologi MARA

**MOBILE LEARNING FEASIBILITY
STUDY TOWARDS FSKM STUDENT**

EMELIA ANAK BRITIN

Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Information Technology
Faculty of Computer And Mathematical Sciences

NOVEMBER 2009

Acknowledgement

First, I would like to praise and feel thankful to God, because of the blessings from Him, I able to complete my final year project successfully. Without His blessing, this research project could not have been completed.

I would like to express my gratitude and special thanks to my supervisor, Madam Kamalia Azma Kamaruddin for her guidance, support and for being so understanding and also special thanks for my coordinator of this subject ITS690, Professor Madya Norehan Abdul Manaf for her support and guidance in completing this research.

Besides that I also want to thanks my parents, for giving me their love and supports and also understanding me in what ever I do. Without their prayer and loves, I also would not have the courage to complete my research.

A special thanks also to all my lecturers and friends, who had helped me in giving me a very useful advices, supports and also ideas to make sure all my work in the right track. Millions of thank go to whom I failed to mentioned here, who maybe directly or indirectly contributed in helping me completed this research.

ABSTRACT

This study describes several usability criteria on m-learning which can be applied and adapted for m-learning system in the future for education. This study also measured the perception of Faculty of Computer and Mathematical Sciences (FSKM), Universiti Teknologi MARA(UiTM) student in adopting m-learning as their learning method. Here, the hypotheses have been developed in order to measure student's perception on m-learning. The objectives of the research are; to identify the usability of m-learning, to identify the FSKM student's perception in adopting m-learning as learning method and to identify m-learning features that appeal to FSKM students. To achieve the objectives in this study, data gathering method and questionnaire distribution has been used. 100 respondents participated in this study. The result have been analysed based on descriptive study, Cronbach's Alpha Reliability Test and Pearson's Correlation. As a result from data gathering, several usability of m-learning have been identified and from the questionnaire, the hypotheses that have been developed have positive relationship between each other and also several m-learning features are identified.

TABLE OF CONTENT

Chapter	Title	Page
	Acknowledgement	ii
	Abstract	iii
	List of Tables	vii
	List of Figures	ix
Chapter 1	Introduction	
1.1	Background of Study	1
1.2	Problem Statement	2
1.3	Research Questions	2
1.4	Research Objectives	2
1.5	Research Scope	3
1.6	Significant of Study	3
Chapter 2	Literature Review	
2.1	Introduction	4
2.2	Introduction to E-Learning	5
2.3	Introduction to M-Learning	6
2.4	Characteristic of M-Learning	9
2.5	Characteristic of Mobile Devices	10
2.6	Usability of M-Learning	14
2.7	Differences Between E-Learning and M-Learning	18
2.8	Technology Acceptance Model	19
2.9	Definition of Perception	20
2.10	Summary	21

Chapter 3	Research Methodology	
3.1	Introduction	22
3.2	Research Framework	25
	3.2.1 Problem Identification and Planning	25
	3.2.2 Knowledge Requirements	25
	3.2.2.1 Literature Review	25
	3.2.2.2 Survey Instrument Construct	26
	3.2.2.3 Data Collection	26
3.3	Data Analysis and Findings	27
3.4	Research Model	27
3.5	Development of Hypothesis	28
3.6	Method of Analysis	30
3.7	Summary	31
Chapter 4	Findings and Results	
4.1	Introduction	33
4.2	Findings of the Study	33
4.3	Instrument Reliability	34
4.4	Demographic of Respondent	35
4.5	Analysis on the Current Knowledge on M-Learning	46
4.6	Perceived Usefulness and Perceived Ease-of-Use in adopting M-Learning	
	4.6.1 Analysis of Perceived Usefulness(PU)	58
	4.6.2 Analysis of Perceived Ease-of-Use(PEOU)	64
	4.6.3 Analysis of Effectiveness	69
	4.6.4 Analysis of Efficiency	74
	4.6.5 Analysis of Satisfaction	80
	4.6.6 Analysis of Learnability	86
	4.6.7 Analysis of Flexibility	92