UNIVERSITI TEKNOLOGI MARA

EVALUATING PENSION ONLINE WORKFLOW ENVIRONMENT GENERATION 2 (PWRGEN2) OF JABATAN PERKHIDMATAN AWAM (JPA) USING EGOVSAT MODEL

NURUL IZZATIBINTI ZAKARIA

Report submitted in partial fulfillment of the requirements for the degree of

Master of Science (Information Technology)

Faculty of Computer and Mathematical Sciences

JULY 2014

ABSTRACT

Electronic Government (e-Government) is an initiative to deliver services to users, businesses and government agencies. It enables users to access information and government services by using the Internet and other computer resources. Its implementation has improved the efficiency of governance and government services in Malaysia. However, studies have shown that the adoption of E-Government is still low among Malaysians. Using the EGOVSAT Model, this paper aims to evaluate user satisfaction of e-Government services in Jabatan Perkhidmatan Awam (JPA) and identify its significant predictors. The satisfaction model consists of six main which include efficiency, reliability, accessibility, constructs completeness, customization and usability. To measure the level of user satisfaction, a survey approach is employed. By using multistage stratified random sampling, a total of 420 questionnaires were distributed to department Pasca Perkhidmatan in Jabatan Perkhidmatan Awam. Pearson's Product Moment Correlation Coefficients were done to obtain appropriate results. The results indicate that two constructs were found significant and positively related to user satisfaction.

ACKNOWLEDGEMENT

Praise only to Allah for giving me strength, perseverance and good health to complete this research within the stipulated time frame. Though this thesis is an individual work, I could never have reached the heights or explored the depths without the help, support, guidance and efforts from a lot of people around me. Thanks are best when concrete therefore I would like to specifically describe the thanks for.

First and foremost I offer my sincerest gratitude to my supervisor, Dr Wan Adilah Binti Wan Adnan, for making this research possible. Her support, guidance and advice throughout the research project, as well as her pain-staking effort in proofreading the drafts, are greatly appreciated. Indeed, without her guidance, I would not be able to put the topic together. One simply could not wish for a better or friendlier supervisor.

My heartfelt thank you to my other half for his unconditional support, both financially and emotionally throughout my master degree. I know, at times, my temper is particularly trying. Also thanks to my little angle who brighten up my days,

Not forgotten thank you to my father

for all the prayers, my late mother whom

will be so proud that their daughter about to graduate and the two siblings

Last but not least, the key people whom I cannot specify their individual names here, thank you for allowing me to reach to the 'resources' in your organizations. I could not thank them enough.

Finally, to everyone else whom directly or indirectly has helped me in this research project, sincerely thanks.

TABLE OF CONTENTS

		PAGE			
CITIT		1			
STUDENT'S DECLARATION ABSTRACT					
		ii :			
	KNOWLEDGEMENT	iii			
	BLE OF CONTENTS	iv			
-	Γ OF TABLE	vu			
	Γ OF FIGURES	Х			
LIST	Γ OF ABBREVIATIONS	хi			
CHA	APTER 1: INTRODUCTION				
1.1	Research Background	1			
1.2	Problem Statement	2			
1.3	Research Questions	3			
1.4	Research Objectives	3			
1.5	Research Significance	3			
1.6	Report Outline	4			
СНА	APTER 2: LITERATURE REVIEW				
2.1	Introduction				
2.2	Satisfaction Definition				
2.3	User Satisfaction				
2.4	E-Goverment				
2.5	E- Government Satisfaction and Service Quality Models and Tools				
	2.5.1 Satisfaction Model	7			
	2.5.1.1 Advance Traveler Information System (ATIS)	8			
	2.5.1.2 American Customer Satisfaction Index for E-Gover	ment			

		(ACSI)				9	
2.5.1.3 Electronic Governmet Satisfaction Model (EGOVSAT)							
2.5.2 Service Quality Models							
		2.5.2.1 Definitions	of	E-Service	Quality	12	
2.5.2.2 E-Service Quality Dimensions							
		2.5.2.2.1 E-SI	ERVQU	JAL Model		13	
		2.5.2.2.2 WE	BQUAL	L Model		13	
		2.5.2.2.3 E-S-	QUAL			14	
2.6	Pension Online Workflow Environment Generation 2						
2.7	PWRGEN2 Quality Facets in Measuring User Satisfaction						
2.8	Sumn	nary				16	
CHA	PTER	3: RESEARCH APPROACH	I AND	METHODOLO	OGY		
3.1	Introd	luction				17	
3.2	Research Approach						
3.3	Research Design						
3.4	Resea	rch Model				18	
	3.4.1	Age				19	
	3.4.2	Gender				19	
	3.4.3	Efficiency				19	
	3.4.4	Reliability				20	
	3.4.5	Accessibility				20	
	3.4.6	Customization				20	
	3.4.7	Usability				21	
	3.4.8	Completeness				21	
3.5	Research Method						
	3.5.1	Survey				21	
	3.5.2	Instrumentation				22	
		3.5.2.1 Socio-Demographic	characte	eristics		23	
		3.5.2.2 Satisfaction Factors				23	
	3.5.3	Validity and Reality				24	