UNIVERSITI PUTRA MALAYSIA

ICT USE AMONG MEMBERS OF THE VILLAGE DEVELOPMENT AND SECURITY COMMITTEE IN MALAYSIA

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By

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Julai 2011

Chairman: Prof. Md. Salleh Hassan, PhD
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Information and Communication Technology or ICT has been widely used all over the world as an effective mechanism for rural development. Admitting the importance of ICT, the Malaysia government has launched a number of ICT programs and projects for the purpose of encouraging and exposing rural community to the ICT usage. Projects such as Rural Internet Desa (PID), Rural Info Center (MID), National Broadband Initiative (NBI) and National Information Technology Agenda (NITA) for examples have been initiated to meet such purposes. Apart from the implementation of these programs and projects, do the rural community especially their leaders which are the Village Development and Security Committee (VDSC) use ICT? In response to this question, this study aims to 1) describe the level of ICT usage among VDSC members in Malaysia 2) compare the level of ICT usage by selected socio-demographic factors among VDSC
members 3) describe the level of components of extended technology acceptance constructs among VDSC members and 4) ascertain the relationship between extended technology acceptance constructs and ICT usage.

This is a quantitative study where the data required were collected using a tested and developed questionnaire. Using stratified random sampling, a total of 240 respondents from four states (Kedah, Terengganu, Perak and Johor) were selected. The selected respondents were among VDSC members in the Village Vision Movement (VVM). For the purpose of analyses, SPSS was used where descriptive and inferential analyses were employed.

Based on the descriptive analyses, it can be seen that VDSC members in Malaysia do have a moderate level of ICT usage. Inferential analyses such as independent t-test and ANOVA have proved that the factors of ICT course attended, position in VDSC, level of education and job category do have significant differences with ICT usage.

Based on the Pearson product moment correlation age was detected to have a significant and negative relationship with VDSC members’ ICT usage while income per month was detected to have a significant and positive relationship with VDSC members’ ICT usage. Further analysis done through Pearson product-moment correlation has concluded that all of the seven constructs studied have a positive and significant relationship with VDSC members’ ICT usage. Multiple Linear Regression through stepwise method employed proved that self-efficacy is the most significant contributor towards ICT usage.
Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Master Sains

PENGGUNAAN ICT DALAM KALANGAN AHLI JAWATANKUASA DAN KESELAMATAN KAMPUNG DI MALAYSIA

Oleh

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Teknologi Maklumat dan Komunikasi atau lebih dikenali sebagai ICT telah digunakan secara meluas di seluruh dunia sebagai satu mekanisme yang berkesan bagi pembangunan kawasan luar bandar. Mengakui akan kepentingan ICT, kerajaan Malaysia telah melancarkan beberapa program dan projek yang berkaitan dengan ICT yang bertujuan untuk menggalakkan dan menambahkan penggunaan ICT kepada komuniti luar bandar. Bagi memenuhi tujuan tersebut, projek seperti Pusat Internet Desa (PID), Medan Info Desa (MID), Inisiatif Jalur Lebar Kebangsaan (NBI) dan Agenda Informasi Teknologi Kebangsaan (NITA) sebagai contoh telah dilancarkan. Namun begitu, di sebalik pelancaran projek dan program ini, adakah komuniti luar bandar terutamanya pemimpin mereka iaitu ahli Jawatankuasa Keselamatan dan Kemajuan Kampung (JKKK) menggunakan ICT?

Berdasarkan kepada persoalan ini, kajian ini mengupas isu-isu berikut 1) untuk

iv
mengenal pasti tahap penggunaan ICT dalam kalangan JKKK 2) untuk mengenal pasti perbezaan yang wujud di antara penggunaan ICT dan beberapa faktor sosio-demografi terpilih 3) untuk mengetahui tahap bagi komponen model Extended Technology Acceptance dalam kalangan ahli JKKK dan 4) untuk mengenal pasti perkaitan di antara penggunaan ICT dan komponen dalam model Extended Technology Acceptance.

Ini adalah kajian yang berbentuk kuantitatif di mana data diperoleh menggunakan borang kaji selidik yang telah diuji dan ditambah baik. Menggunakan kaedah pensampelan rawak berlapis, sejumlah 240 orang responden daripada empat negeri (Kedah, Terengganu, Perak dan Johor) telah dipilih. Responden yang dipilih adalah dalam kalangan JKKK yang tinggal di kawasan kampung Gerakan Daya Wawasan (GDW). Bagi tujuan analisis, perisian SPSS menggunakan analisis deskriptif dan inferensi telah digunakan.

Berdasarkan analisis deskriptif yang dijalankan, dapat dirumuskan bahawa ahli JKKK di Malaysia mempunyai tahap penggunaan ICT yang sederhana. Analisis inferensi seperti ujian-t bebas dan ANOVA telah membuktikan bahawa faktor-faktor seperti pernah menghadiri kursus, jawatan dalam JKKK, tahap pendidikan dan jenis pekerjaan mempunyai perbezaan yang signifikan dengan penggunaan ICT. Analisis korelasi Pearson pula merumuskan bahawa umur mempunyai perkaitan yang signifikan dan negatif dengan penggunaan ICT dalam kalangan ahli JKKK manakala pendapatan mempunyai perkaitan yang signifikan dan positif dengan penggunaan
ICT dalam kalangan ahli JKKK. Kesemua tujuh konstruk yang dikaji mempunyai perkaitan yang positif dan signifikan dengan penggunaan ICT. Ujian Regresi Pelbagai pula dapat membuktikan bahawa faktor kepercayaan sebagai penyumbang utama kepada penggunaan ICT dalam kalangan ahli JKKK.
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DECLARATION

I declare that this thesis is my original work except for quotation and citations which have been duly acknowledged. I also declare that it has not been previously and is not concurrently, submitted for any other degree at Universiti Putra Malaysia or other institutions.

HAYROL AZRIL MOHAMED SHAFFRIL
Date: 29 July 2011
TABLE OF CONTENT

ABSTRACT
ABSTRAK
ACKNOWLEDGEMENT
DECLARATION
LIST OF TABLES
LIST OF FIGURES
GLOSARY OF TERMS

CHAPTER
1. INTRODUCTION
  1.1 Information and Communication Technology and Rural Administrators
  1.2 Usage of ICT, Benefits and Problems to Use It in the Rural Area
  1.3 Village Development and Security Committee (VDSC)
  1.4 Village Vision Movement (VVM)
  1.5 Background of the Study
    1.5.1 Introduction
    1.5.2 Statement of the Problem
    1.5.3 Research Question
    1.5.4 Research Objectives
      1.5.4.1 General Objective
      1.5.4.2 Specific Objectives
    1.5.5 Significance of the Study
    1.5.6 Scope and Limitation of the Study
    1.5.7 Definition of Terms
      1.5.7.1 Information and Communication Technology
      1.5.7.2 Rural Administrators
      1.5.7.3 Rural Area
      1.5.7.4 Usage of ICT
      1.5.7.5 Technology Acceptance Construct
      1.5.7.6 Attitude towards ICT Usage
      1.5.7.7 Perceived Usefulness towards ICT Usage
      1.5.7.8 Perceived Ease of ICT Usage
      1.5.7.9 Job Relevance in ICT Usage
      1.5.7.10 Self-efficacy towards ICT Usage
      1.5.7.11 Compatibility towards ICT Usage
      1.5.7.12 Subjective Norm of ICT Usage
2. REVIEW OF LITERATURE
2.1 Introduction
2.2 Information and Communication Technology and Its Impact on Rural Development
2.3 Benefits of ICT Usage on Rural Community
  2.3.1 Increased Knowledge
  2.3.2 Enhanced Rural Community Literacy Level
  2.3.3 Reduced the Digital Divide
  2.3.4 Enhanced Community Socio-economic Level
2.4 Negative Impacts of ICT
  2.4.1 More Individualistic
  2.4.2 Creating Social Problems
  2.4.3 Health Problems
2.5 Factors Affecting VDSC members usage of ICT
  2.5.1 Attitude towards ICT Usage
  2.5.2 Perceived Usefulness towards ICT Usage and Perceived Ease of ICT Usage
  2.5.3 Compatibility towards ICT Usage
  2.5.4 Self-efficacy towards ICT Usage
  2.5.5 Subjective Norm of ICT Usage
  2.5.6 Job Relevance in ICT Usage
2.6 Demographic Factors
  2.6.1 Age
  2.6.2 Gender
  2.6.3 Course Attended
  2.6.4 Financial Factors
  2.6.5 Job Category
  2.6.6 Education
  2.6.7 Experience in Holding a Position
  2.6.8 Type of Position
2.7 Summary of Literature Review
2.8 Theoretical Framework
  2.8.1 Behavioral Intention Theory
  2.8.2 Technology Acceptance Model
  2.8.3 Extended Technology Acceptance Model
  2.8.4 Innovation Diffusion Theory
  2.8.5 Social Cognitive Theory
2.9 Theoretical Models to Explain ICT Usage
2.10 Research Framework
3. METHODOLOGY
3.1 Introduction
3.2 Research Design
3.3 Research Instrument
3.3.1 Section 1 (Respondents Demographic Data) 53
3.3.2 Section 2 (Level of ICT Usage) 54
3.3.3 Section 3 (Constructs of the Study) 55
3.4 Population and Sample 56
3.4.1 Population of the Study 56
3.4.2 Sampling Method 57
3.4.3 Sample Size 58
3.5 Study Location 59
3.6 Pre Test and Reliability 61
3.7 Data Collection 63
3.8 Data Analysis 64
3.8.1 Categories for Level of ICT Usage 64
3.8.2 Data Analysis 65
3.8.2.1 Descriptive Analysis 65
3.8.2.2 Independent-t test 66
3.8.2.3 ANOVA 66
3.8.2.4 Correlation Analysis 66
4. RESULTS AND DISCUSSION
4.1 Introduction 67
4.2 Socio-demographic Data of the Respondents Studied 67
4.2.1 Age and Income Per Month 68
4.2.2 Experience of Holding A Position in VDSC 68
4.2.3 Level of Education 69
4.2.4 Job Category 69
4.2.5 Position in VDSC and ICT Course Attended 70
4.3 ICT Usage among the VDSC Members 70
4.3.1 Overall Level of ICT Usage 71
4.3.2 Level of ICT Usage for Administration Work among VDSC Members 72
4.3.3 Overall Level of ICT Usage for Administration Work among VDSC Members 74
4.3.4 Level of ICT Usage for Daily Activities/Needs among VDSC Members 74
4.3.5 Overall Level of ICT Usage for Daily Activities/Needs among VDSC Members 76
4.4 Constructs of the Study 77
4.4.1 Attitude towards ICT Usage 78
4.4.2 Overall Attitude towards ICT Usage 79
4.4.3 Self-efficacy towards ICT Usage 80
4.4.4 Overall Self-efficacy towards ICT Usage 82
4.4.5 Perceived Usefulness towards ICT Usage 83
4.4.6 Overall Level of Perceived Usefulness towards ICT Usage 84
4.4.7 Perceived Ease of ICT Usage 85
4.3.8  Overall Level of Perceived Ease of ICT Usage  87
4.4.9  Compatibility towards ICT Usage  87
4.4.10  Overall Level towards Compatibility in ICT Usage  89
4.4.11  Job Relevance in ICT Usage  90
4.4.12  Overall Level of Job Relevance in ICT Usage  92
4.4.13  Subjective Norm of ICT Usage  93
4.4.14  Overall Level of Subjective Norm of ICT Usage  94

4.5  Differences in ICT Usage between Selected Socio-demographic Factors Using Independent T-test  95
    4.5.1  ICT Course Attended  95
    4.5.2  Position in VDSC  96

4.6  Differences in ICT Usage between Selected Socio-demographic Factors Using ANOVA  97
    4.6.1  Level of Education  97
    4.6.2  Job Category  98

4.7  Relationship between Selected Socio-demographic Factors and ICT Usage  100
    4.7.1  Income per Month Relationship with ICT Usage  100
    4.7.2  Age Relationship with ICT Usage  100
    4.7.3  Experience of Holding A Position in VDSC Relationship with ICT Usage  101

4.8  ETAM Constructs Studied and its Relationship with ICT Usage  102
    4.8.1  Self-efficacy towards ICT Usage Relationship with ICT Usage  102
    4.8.2  Attitude towards ICT Usage Relationship with ICT Usage  103
    4.8.3  Compatibility towards ICT Usage Relationship with ICT Usage  104
    4.8.4  Job Relevance in ICT Usage Relationship with ICT Usage  105
    4.8.5  Subjective Norm of ICT Usage Relationship with ICT Usage  106
    4.8.6  Perceived Ease of ICT Usage Relationship with ICT Usage  106
    4.8.7  Perceived Usefulness towards ICT Usage Relationship with ICT Usage  107

4.9  ETAM Constructs that Significantly Contribute towards ICT Usage among VDSC Members  108

5.  CONCLUSION AND RECOMMENDATION
5.1  Introduction  111
5.2  Research Problem  111