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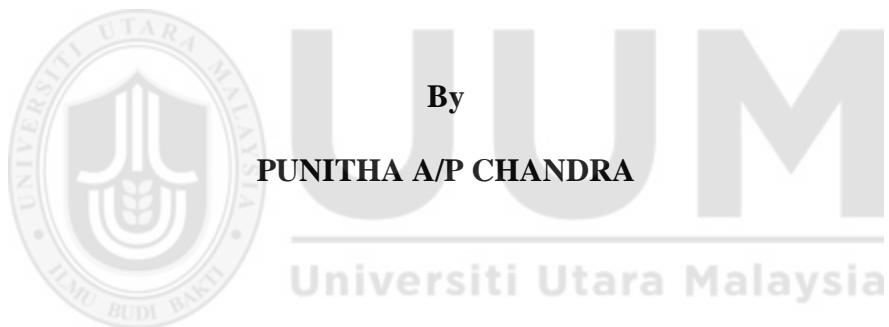
**CONTINUANCE INTENTION OF E-GOVERNMENT  
SERVICE: A STUDY OF TAX E-FILING SYSTEM IN  
MALAYSIA**

**PUNITHA A/P CHANDRA**



**DOCTOR OF PHILOSOPHY  
UNIVERSITI UTARA MALAYSIA  
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**CONTINUANCE INTENTION OF E-GOVERNMENT SERVICE: A STUDY OF TAX  
E-FILING SYSTEM IN MALAYSIA**



**Thesis Submitted to  
School of Technology Management and Logistics,  
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in Fulfillment of the Requirement for the Degree of Doctor of Philosophy**



**Kolej Perniagaan**  
(College of Business)  
Universiti Utara Malaysia

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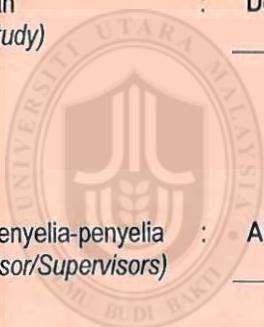
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(Title of the Thesis / Dissertation) STUDY OF TAX E-FILING SYSTEM IN MALAYSIA

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## ABSTRACT

Governments in every country including Malaysia have spent huge amount of money for the development of electronic government services generally and specifically in tax e-filing system to ease the government services. Despite increases in investments and expenses in the development of e-government services and considering low level usage of this service compared to its availability is an important issue to be considered. At this vein, investigating the continuance intention of tax e-filing system is important, as the more citizens continuously use the tax e-filing system, the more operation and management cost could be reduced, to achieve target of usage by taxpayers in near future and for the success of this system. As such, aim of this research is to investigate the influence of trust, perceived system quality and perceived information quality on continuance intention of tax e-filing system among taxpayers in Malaysia. The results of this study were obtained from 425 taxpayers in Malaysia by using the Structural Equation Modelling (SEM) AMOS. Overall, most of the hypotheses developed were supported with the acceptable beta value between 2.857 to 12.453. The study found that perceived usefulness, trust, perceived system quality and satisfaction have significant positive influence on continuance intention of tax e-filing system, while, perceived information quality has insignificant influence on continuance intention of tax e-filing system. On other hand, trust, perceived system quality and confirmation have significant influence on satisfaction. Additionally, satisfaction was found mediates the relationship between trust and continuance intention, and perceived system quality and continuance intention. Hence, the finding of this study imply that full benefits and success of the e-filing system cannot be realized without continued usage as an e-government service can be considered success if a significant number of users move beyond the initial adoption and use the e-government services on a continual basis.

**Keywords:** e-government, e-filing, continuance intention, trust, system quality

## **ABSTRAK**

Kerajaan di setiap negara termasuk Malaysia telah menghabiskan sejumlah besar wang untuk pembangunan perkhidmatan kerajaan elektronik secara umumnya, dan secara khusus dalam sistem cukai e-filing bagi memudahkan perkhidmatan. Meskipun ada peningkatan dalam pelaburan dan perbelanjaan pembangunan perkhidmatan e-kerajaan, dan memandangkan tahap penggunaan perkhidmatan ini yang rendah berbanding ketersediaannya, hal ini menjadi isu penting yang perlu dipertimbangkan. Dalam keadaan ini, menyelidik penerusan niat sistem cukai e-filing adalah penting, kerana lebih ramai rakyat menggunakan sistem cukai e-filing lebih banyak kos operasi dan pengurusan dapat dikurangkan, bagi mencapai sasaran penggunaan oleh pembayar cukai pada masa hadapan dan juga demi kejayaan sistem ini. Oleh itu, tujuan kajian ini adalah untuk menyelidik pengaruh kepercayaan, tanggapan kualiti sistem dan tanggapan kualiti maklumat pada penerusan niat sistem cukai e-filing dalam kalangan pembayar cukai di Malaysia. Dapatan kajian diperolehi melalui 425 orang pembayar cukai di Malaysia dengan menggunakan Pemodelan Persamaan Berstruktur (SEM) AMOS. Secara keseluruhannya, sebahagian besar hipotesis yang dibangunkan disokong dengan nilai beta yang boleh diterima iaitu di antara 2.857 hingga 12.453. Kajian mendapat bahawa tanggapan kebergunaan, kepercayaan, tanggapan kualiti sistem dan kepuasan mempunyai pengaruh positif yang signifikan terhadap penerusan niat untuk menggunakan sistem cukai e-filing, sementara tanggapan kualiti maklumat pula tidak mempunyai pengaruh yang signifikan pada penerusan niat untuk menggunakan sistem cukai e-filing. Sebaliknya, kepercayaan, tanggapan kualiti sistem dan pengesahan didapati mempunyai pengaruh yang signifikan keatas kepuasan. Selain itu, kepuasan didapati mengantarkan hubungan di antara kepercayaan dan penerusan niat, dan tanggapan kualiti sistem dan penerusan niat. Oleh itu, dapatan kajian ini membayangkan bahawa manfaat penuh dan kejayaan sistem e-filing tidak dapat direalisasikan tanpa penggunaan yang berterusan. Hal ini kerana perkhidmatan e-kerajaan hanya dianggap berjaya sekiranya jumlah penggunanya adalah besar dan melebihi penerimaannya pada peringkat awal serta menggunakan perkhidmatan e-kerajaan ini secara berterusan.

**Kata kunci:** e-kerajaan, e-filing, penerusan niat, kepercayaan, kualiti sistem

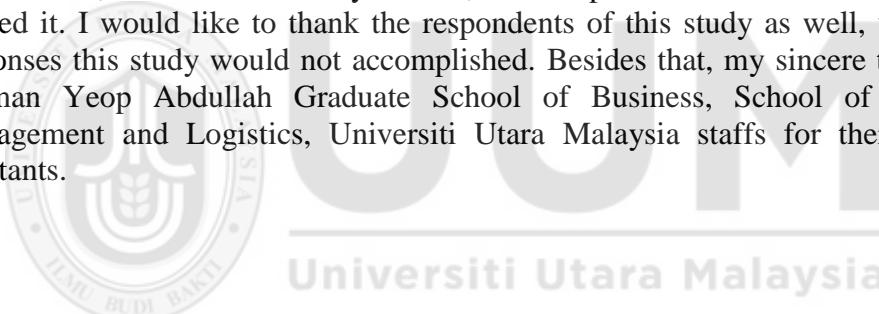
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## TABLE OF CONTENTS

<b>TITLE PAGE</b>	<b>i</b>
<b>CERTIFICATION OF THESIS WORK</b>	<b>ii</b>
<b>PERMISSION TO USE</b>	<b>iv</b>
<b>ABSTRACT</b>	<b>v</b>
<b>ABSTRAK</b>	<b>vi</b>
<b>ACKNOWLEDGEMENT</b>	<b>vii</b>
<b>TABLE OF CONTENTS</b>	<b>viii</b>
<b>LIST OF TABLES</b>	<b>xii</b>
<b>LIST OF FIGURES</b>	<b>xiv</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xv</b>
<b>LIST OF APPENDICES</b>	<b>xvii</b>
<b>CHAPTER 1 INTRODUCTION</b>	<b>1</b>
1.0    Introduction	1
1.1    Background of Study	1
1.1.1 Government Spending	4
1.1.2 Overview of e-filing system	6
1.2    Problem Statement	13
1.3    Research Questions	21
1.4    Research Objectives	22
1.5    Significance of Study	23
1.6    Scope of Study	25
1.7    Definition of Key Terms	26
1.8    Organization of Thesis	28
<b>CHAPTER 2 LITERATURE REVIEW</b>	<b>30</b>
2.0    Introduction	30
2.1    Overview of e-government	30
2.1.1 Type of e-government	31
2.1.2 Stages of e-government	32
2.1.3 E-government system in Malaysia	33
2.1.4 E-government expenses	35
2.2    Continuance Intention	40
2.3    Perceived Usefulness	49
2.4    Confirmation	56
2.5    Trust	58
2.6    Perceived System Quality	63
2.7    Perceived Information Quality	67
2.8    Satisfaction	73
2.9    Theoretical Framework	80
2.10   Underpinning Theory	82
2.11   Research Hypotheses	88
2.11.1 Relationship between perceived usefulness and continuance intention	88
2.11.2 Relationship between trust and continuance intention	90
2.11.3 Relationship between perceived system quality and continuance Intention	91

2.11.4 Relationship between perceived information quality and Continuance Intention	92
2.11.5 Relationship between satisfaction and continuance intention	93
2.11.6 Relationship between perceived usefulness and satisfaction	94
2.11.7 Relationship between trust and satisfaction	95
2.11.8 Relationship between perceived system quality and satisfaction	95
2.11.9 Relationship between perceived information quality and satisfaction	96
2.11.10 Relationship between confirmation and satisfaction	96
2.11.11 Relationship between confirmation and perceived usefulness	97
2.11.12 Mediating role of satisfaction on perceived usefulness, trust, Perceived system quality, perceived information quality and confirmation towards continuance intention relationships	98
2.12 Summary	99
<b>CHAPTER 3 METHODOLOGY</b>	
3.0 Introduction	100
3.1 Research Design	100
3.1.1 Unit of Analysis	101
3.2 Population and Sampling Method	102
3.3 Data Collection	103
3.4 Questionnaire Design	104
3.4.1 Perceived Usefulness	106
3.4.2 Confirmation	106
3.4.3 Trust	107
3.4.4 Perceived System Quality	107
3.4.5 Perceived Information Quality	108
3.4.6 Satisfaction	109
3.4.7 Continuance Intention	109
3.5 Pilot Study	110
3.6 Data Analysis	111
3.7 Descriptive Analysis	113
3.8 Response Bias	114
3.9 Data Screening	114
3.10 Validity and Reliability	120
3.11 Assessment of Structural Model	125
3.11.1 Direct Relationship	126
3.11.2 Indirect Relationship	126
3.11.3 Squared Multiple Correlation	128
3.12 Summary	128
<b>CHAPTER 4 RESEARCH FINDINGS</b> <b>129</b>	
4.0 Introduction	129
4.1 Response Rate	129
4.1.1 Demographic Profile of Respondents	130
4.2 Descriptive Statistics Indicators	133
4.3 Non Response Bias	133
4.4 Data Screening	135
4.4.1 Treatment of Missing Data	135
4.4.2 Assessment of Outliers	136

4.4.3	Assessment of Normality	137
4.4.4	Test of Linearity	138
4.4.5	Test of Homoscedascity	139
4.4.6	Test of Multicollinearity	140
4.5	Validity and Reliability	142
4.6	Assessment of Structural Model	152
4.6.1	Direct Relationship	152
4.6.2	Indirect Relationship	156
4.6.3	Summary of Hypothesis Testing	159
4.6.4	Goodness of Fit	161
4.6.5	Squared Multiple Correlation	164
4.7	Summary	165

## **CHAPTER 5 DISCUSSION AND CONCLUSION**

5.0	Introduction	167
5.1	Discussion of Findings	167
5.2	The relationship between perceived usefulness and continuance intention of tax e-filing system	167
5.3	The relationship between trust and continuance intention of tax e-filing System	170
5.4	The relationship between perceived system quality and continuance intention of tax e-filing system	174
5.5	The relationship between perceived information quality and continuance intention of tax e-filing system	177
5.6	The relationship between satisfaction and continuance intention of tax e-filing system	179
5.7	The relationship between perceived usefulness, trust, perceived system quality, perceived information quality and confirmation on satisfaction	181
5.7.1	Perceived usefulness and satisfaction	181
5.7.2	Trust and satisfaction	185
5.7.3	Perceived system quality and satisfaction	187
5.7.4	Perceived information quality and satisfaction	189
5.7.5	Confirmation and satisfaction	191
5.8	The relationship between confirmation and perceived usefulness	194
5.9	The mediating effect of satisfaction on the relationship between perceived usefulness, trust, perceived system quality and perceived information quality on continuance intention of tax e-filing system	195
5.9.1	The mediating effect of satisfaction on the relationship between perceived usefulness and continuance intention of tax e-filing system	195
5.9.2	The mediating effect of satisfaction on the relationship between trust and continuance intention of tax e-filing system	197
5.9.3	The mediating effect of satisfaction on the relationship between perceived system quality and continuance intention of tax e-filing system	198
5.9.4	The mediating effect of satisfaction on the relationship between perceived information quality and continuance intention of tax e-filing system	199
5.10	Implication of Research	200

5.10.1 Theoretical Contribution	201
5.10.2 Practical Contribution	205
5.10.3 Methodological Contribution	210
5.11 Limitation of Study	210
5.12 Recommendation for Future Study	211
5.13 Conclusion	213
<b>REFERENCES</b>	<b>218</b>
<b>APPENDIX</b>	<b>256</b>



## LIST OF TABLES

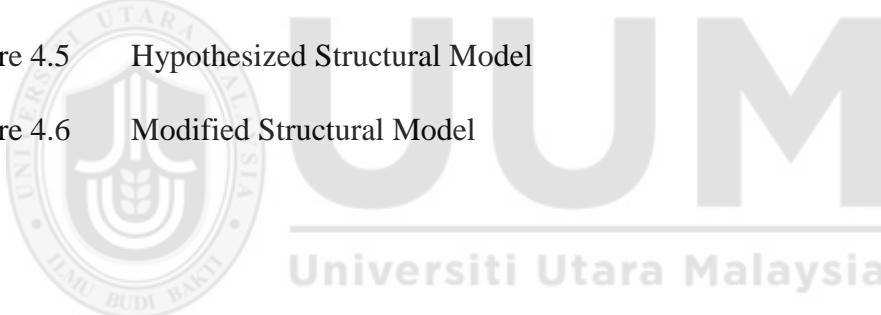
		Pages
Table 2.1	Malaysian government development expenditure and allocation for ICT related programs, 2001-2010	36
Table 2.2	Summary of previous studies on relationship between perceived usefulness and continuance intention	54
Table 2.3	Summary of previous studies on relationship between perceived usefulness and satisfaction	56
Table 2.4	Summary of previous studies on satisfaction	80
Table 3.1	Measures of perceived usefulness	106
Table 3.2	Measures of confirmation	106
Table 3.3	Measures of Trust	107
Table 3.4	Measures of perceived system quality	107
Table 3.5	Measures of perceived information quality	108
Table 3.6	Measures of satisfaction	109
Table 3.7	Measures of continuance intention	110
Table 3.8	Reliability of each variable	111
Table 4.1	Response Rate	130
Table 4.2	Profile of respondents	132
Table 4.3	Summary of Descriptive Statistics Indicators of Variables	133
Table 4.4	Results of Non-Response Bias	134
Table 4.5	Result of Mahalanobis distance test	137
Table 4.6	Result of Test of Multicollinearity	141
Table 4.7	Correlation Matrix among Constructs	142
Table 4.8	Goodness of Fit Summary of CFA of Individual, Exogenous, Endogenous and Combined Measurement Model	147

Table 4.9	Convergent Validity	149
Table 4.10	Discriminant Validity of Overall Measurement Model	151
Table 4.11	Results of Reliability Test	152
Table 4.12	Direct Effect	153
Table 4.13	Indirect Effect	159
Table 4.14	Summary of Hypotheses	159
Table 4.15	Summary of Fit Indices for the Structural Model	161
Table 4.16	Squared Multiple Correlation for Endogenous Variables	165



## **LIST OF FIGURES**

	Pages
Figure 1.1 E-filing usage has increased among individuals and companies in Malaysia (World Bank, 2013)	11
Figure 2.1 Theoretical Framework	80
Figure 2.2 Expectation Confirmation Model (ECM)	83
Figure 4.1 Normality Assumption	138
Figure 4.2 Linearity Assumption	139
Figure 4.3 Homoscedasticity Assumption	140
Figure 4.4 Standardized Estimate of Overall Measurement Model	145
Figure 4.5 Hypothesized Structural Model	163
Figure 4.6 Modified Structural Model	164



## LIST OF ABBREVIATIONS

AMOS	Analysis of Moment Structures
AVE	Average Variance Extracted
CFA	Confirmatory Factor Analysis
CI	Continuance intention
CONF	Confirmation
CR	Composite Reliability
df	Degree of Freedom
E-banking	Electronic banking
E-filing	Electronic filing
ECM	Expectation Confirmation Model
ECT	Expectation Confirmation Theory
GOF	Goodness of Fit
IRBM	Inland Revenue Board Malaysia
IS	Information system
MAMPU	Malaysia Administrative Modernization and Management Planning Unit
PIQ	Perceived Information Quality
PSQ	Perceived System Quality
PU	Perceived Usefulness
RMSEA	Root Mean Square Error Approximation
SAT	Satisfaction
SEM	Structural Equation Modelling
SPSS	Statistical Package for the Social Science
TAM	Technology Acceptance Model

TPB	Theory of Planned Behaviour
TR	Trust
UNPAN	United Nation Division for Public Administration and Development Management
UTAUT	Unified Theory of Acceptance and Use of Technology



## LIST OF APPENDICES

		Pages
Appendix One	Survey Questionnaire	256
Appendix Two	Non-response Bias	270
Appendix Three	Missing Value	272
Appendix Four	Outlier	273
Appendix Five	Skewness and Kurtosis	274
Appendix Six	Multicollinearity	276
Appendix Seven	Correlation	277
Appendix Eight	Factor Analysis Exogenous	278
Appendix Nine	Factor Analysis Endogous	281
Appendix Ten	Factor Analysis Full	283
Appendix Eleven	Individual CFA results	286
Appendix Twelve	Generated Model Output	298

# **CHAPTER 1**

## **INTRODUCTION**

### **1.0 Introduction**

This chapter aims to provide brief overview of research on continuance intention towards electronic government (e-government) services and particularly in the electronic tax filing system (e-filing) context in Malaysia. This chapter contains background of study, problem statement, research questions, research objectives, significance of study, scope of study, definition of key terms and organization of thesis.

### **1.1 Background of Study**

In this twenty first century, organizations are competing each others to survive in this globalization arena. Not only organizations, government sectors of each country also facing challenges and keep on finding the best ways to provide the better government services to their citizens. For that government agencies increasingly explore and giving priority for information and communication technologies (ICTs) to improve, advance the delivery and dissemination of government services and information (Azmi, Kamarulzaman, & Hamid, 2012; Chen, 2010) by using internet as a powerful tool to deliver government services via electronic means (Wangpipatwong, Chutimaskul, & Papasratorn, 2009) to the benefits of citizens and organizations. As the tremendous growth of internet users worldwide (Internet World Statistics, 2013), affordability and accessibility of ICT (Ahmad, Markkula, & Oivo, 2013) makes many government around the world transformed the delivery of services from traditional services (manual method) to electronic means (Satapathy, Mahapatra, Patel, Biswas, & Mishra, 2014). Thus, this internet and ICT evaluation offers government a new

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## REFERENCES

- Abdullah, N. R. W., Mansor, N. B., & Hamzah, A. (2013). Keeping ahead of the game: Innovations and challenges in e-government in Malaysia. *The Economic and Labour Relations Review*, 24(4), 549–567. doi:10.1177/1035304613508868.
- Abidin, N. Z., & Kasimin, H. (2011). E-Kerajaan : Ke Arah Mewujudkan Budaya e-Pengguna Dalam Kalangan Rakyat Malaysia. In *Prosiding Perkem VI, 1*, 181–192.
- Abu-Shanab, E. (2014). Antecedents of trust in e-government services: an empirical test in Jordan. *Transforming Government: People, Process and Policy*, 8(4), 480–499.
- Ahmad, M. O., Markkula, J., & Oivo, M. (2013). Factors affecting e-government adoption in Pakistan : a citizen's perspective. *Transforming Government: People, Process and Policy*, 7(2), 225–239. doi:10.1108/17506161311325378.
- Akter, S., Ray, P., & Ambra, J. D'. (2012). Continuance of mHealth services at the bottom of the pyramid : the roles of service quality and trust. *Electronic Markets*, 23(1), 29–47.
- Alalwan, J. A. (2012). Influence of Trust, Security, and Privacy on IS Continuance Intention: A Theoretical Model. In *Southeast Decision Sciences Institute Conference Proceedings* (pp. 3–10). Retrieved from [http://www.sedsi.org/2012\\_Conference/proc/proc/p11\\_1013008.pdf](http://www.sedsi.org/2012_Conference/proc/proc/p11_1013008.pdf).

Alalwan, J. A. (2013). Continuance Intention to Use Government 2.0 Services : The Impact of Citizens' Satisfaction and Involvement. *International Journal of Electronic Government Research*, 9(3), 58–73. doi:10.4018/jegr.2013070104.

Alias, E. S., Idris, S. H. M., Ashaari, N. S., & Kasimin, H. (2011). Evaluating e-Government Services in Malaysia Using the EGOVSAT Model. In *International Conference on Electrical Engineering and Informatics (ICEEI)*, Bandung, Indonesia (pp. 1–5).

Allison, P. D. (1999). *Multiple Regression: A primer*. Pine Forge Press.

Al-Maghribi, T., & Dennis, C. (2011). What drives consumers' continuance intention to e-shopping? Conceptual framework and managerial implications in the case of Saudi Arabia. *International Journal of Retail & Distribution Management*, 39(12), 899–926. doi:10.1108/09590551111183308.

Al-Maghribi, T., Dennis, C., & Halliday, S. V. (2011). Antecedents of continuance intentions towards e-shopping: the case of Saudi Arabia. *Journal of Enterprise Information Management*, 24(1), 85–111.

Almahamid, S. (2009). Determinants of User Continuance Intention to use e-Government. In *Proceeding of the 9th European Conference on e-Government* (pp. 55–65).

Almahamid, S., Mcadams, A. C., Kalaldeh, T. A., & Al-Sa'Eed, M. (2010). The relationship between perceived usefulness, perceived ease of use, perceived information quality, and intention to use e-government. *Journal of Theoretical and Applied Information Technology*, 11(1/2), 30–44.

Almahamid, S., & Rub, F. A. (2011). Factors that determine continuance intention to use e-learning system : an empirical investigation. In *International Conference on Telecommunication Technology and Applications (IACSIT Press), Singapore* (Vol. 5, pp. 242–246).

Al-Mamari, Q., Corbitt, B., & Gekara, V. O. (2013). E-government adoption in Oman : motivating factors from a government perspective. *Transforming Government: People, Process and Policy*, 7(2), 199–224. doi:10.1108/17506161311325369.

Almarabeh, T., & Ali, A. A. (2010). A General Framework for E-Government : Definition Maturity Challenges , Opportunities , and Success. *European Journal of Scientific Research*, 39(1), 29–42.

Alomari, M. K. (2014). Discovering citizens reseaction toward e-government: Factors in e-government adoption. *Journal of Information Systems and Technology Management*. 11(1), 5-20. doi: 10.1590/S1807-17752014000100001.

Alruwaie, M., El-Haddadeh, R., & Weerakkody, V. (2012). A Framework for Evaluating Citizens' Expectations and Satisfaction toward Continued Intention to Use E-Government Services. In *Scholl, H. J., Janssen, M., Wimmer, M. A., Moe, E. M. & Flak, L. (Eds.) Electronic Government. 11th IFIPWG8.5 International Conference, Kristiansand, Norway* (pp. 273–286). Springer Berlin Heidelberg.

Al-Shafi, S., & Weerakkody, V. (2010). Factor Affecting E-government Adoption in the State of Qatar. In *European and Mediterranean Conference on Information Systems, Abu Dhabi, UAE* (pp. 1–23).

Alwin, D. F. & Krosnick, J. A. (1991). The reliability of survey attitude measurement: The influence of question and respondent attributes. *Sociological Methods and Research*, 20, 139-181

Ambali, A. R. (2009). E-Government Policy : Ground Issues in E-Filing System. *European Journal of Social Sciences*, 11(2), 249–266.

Anderson, J. C., & Gerbing, D. W. (1988). Structural equation modelling in practice: A review and recommend two-step approach. *Psychological Bulletin*, 103(3), 411-423.

Annual Report IRBM. (2010). *Annual Report Inland Revenue Board of Malaysia*. Retrieved from [http://www.hasil.org.my/pdf/pdfam/AR2010\\_2.pdf](http://www.hasil.org.my/pdf/pdfam/AR2010_2.pdf).

Annual Report IRBM. (2011). *Annual Report Inland Revenue Board of Malaysia*. Retrieved from [http://www.hasil.gov.my/pdf/pdfam/AR\\_2011\\_BI.pdf](http://www.hasil.gov.my/pdf/pdfam/AR_2011_BI.pdf).

Annual Report IRBM. (2012). *Annual Report Inland Revenue Board of Malaysia*. Retrieved from [http://www.hasil.gov.my/pdf/pdfam/annual\\_report\\_2012\\_10092014.pdf](http://www.hasil.gov.my/pdf/pdfam/annual_report_2012_10092014.pdf).

Annuar, S., & Othman, R. (2010). Determinants of Online tax Payment System in Malaysia. *International Journal of Public Information Systems*, 1, 17–32.

Armstrong, J. S., & Overton, T. S. (1977). Estimating Nonresponse Bias in Mail Surveys. *Journal of Marketing Research*, 14, 396-402.

Awang, Z. (2012). *Structural equation modelling using Amos graphic*. UiTM Press.

Ayyash, M. M., Ahmad, K., & Singh, D. (2013). Investigating the effect of information systems factors on trust in e-government initiative adoption in Palestinian public sector. *Research Journal of Applied Sciences, Engineering and Technology*, 5(15), 3865-3875.

Aziz, S. A., & Idris, K. M. (2012a). E-government application : The challenges in Malaysia. In *Proceedings of World Business and Economics Research Conference* (pp. 1–11). Retrieved from <http://ssrn.com/abstract=2184632>.

Aziz, S. A., & Idris, K. M. (2012b). The Determinants of Tax E-filing among Tax Preparers in Malaysia. *World Journal of Social Sciences*, 2(3), 182–188.

Azmi, A. A. C., & Kamarulzaman, Y. (2010). Adoption of tax e-filing : A conceptual paper. *African Journal of Business Management*, 4(5), 599–603.

Azmi, A. A. C., Kamarulzaman, Y., & Hamid, N. H. A. (2012). Perceived Risk and the Adoption of Tax E-Filing. *World Applied Sciences Journal*, 20(4), 532–539. doi:10.5829/idosi.wasj.2012.20.04.2403.

Azmi, A. C, & Aziz, N. F (2015). Trust, justice and the continued use of e-filing. *Electronic Government, An International Journal*, 11(3), 207-222

Azmi, A. C., & Bee, N. L. (2010). The Acceptance of the e-Filing System by Malaysian Taxpayers: A Simplified Model. *Electronic Journal of E-Government*, 8(1), 13–22.

Bagozzi, R. P., & Yi, Y. (1988). On the evaluation of structural equation models. *Journal of the Academy of Marketing Science*, 16(1), 74-94.

Bagozzi, R. P., & Yi, Y. (1991). Multitrait-multimethod matrices in consumer research. *Journal of Consumer Research*, 17(4), 426-439.

Bahruni, S. M., Yusof, M. M., & Rahim, R. A. (2015). Continuance intention towards e-government web-based applications adoption in Southern Malaysia. *Global Jornal of Business and Social Science Review*, 1(1), 292-300.

Barclay, D., Higgins, C. & Thompson, R. (1995). The partial least squares approach to causal modelling: Personal computer adoption and use as illustration. *Technology Studies*, 2(2), 285-309.

Baron, R. M. & Kenny, D. A (1986). The moderator-mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations. *Journal of Personality and Social Psychology*, 51 (6), 1173-1182. doi: 10.1037/0022-3514.51.6.1173.

Barroso, C., Carrion, G. C., & Roldan, J. L. (2010). Applying maximum likelihood and PLS on different sample sizes: studies on SERVQUAL model and employee behavior model. In V. Esposito Vinzi et al. (eds), *Handbook of partial least squares: Concepts, methods and applications*, 427-447. Springer Handbooks of Computational Statistics, Springer-Verlag Berlin Heidelberg.

Bauranta, N., Chitiris, L. & Paravantis, J. (2009). The relationship between internal and external service quality. *International Journal of Contemporary Hospitality Management*, 21(3), 2750293.

Bavarsad, B., & Mennatyan, M. A. (2013). A study of the effects of technology acceptance factor on users' satisfaction of e-government services. *World Applied Programming*, 3(5), 190-199.

Belanche, D., Casalo, L. V., & Flavian, C. (2012). Integrating trust and personal values into the Technology Acceptance Model: The case of e-government services adoption. *Cuadernos de Economía Y Dirección de La Empresa*, 15, 192–204.

Belanche, D., Casalo, L. V., Flavian, C., & Schepers, J. (2014). Trust transfer in the continued usage of public e-services. *Information & Management*, 51(6), 627–640. doi:10.1016/j.im.2014.05.016

Belanger, F., & Carter, L. (2008). Trust and risk in e-government adoption. *Journal of Strategic Information Systems*, 17, 165–176. doi:10.1016/j.jsis.2007.12.002.

Berdykhanova, D., Dehghantanha, A., & Hariraj, K. (2010). Trust Challenges and Issues of E-Government: E-Tax Prospective. In *Information Technology (ITSim), International Symposium* (pp. 1015–1019).

Bhatnagar, S. (2009). *Unlocking E-Government Potential: Concepts, Cases and Practical Insights*. 1st ed. SAGE Publications India Pvt Ltd.

Bhattacharya, D., Gulla, U., Gupta, M. P. (2012). E-service quality model for Indian government portals: Citizen's perspective. *Journal of Enterprise Information Management*, 25(3), 246-271. doi: 10.1108/17410391211224408.

Bhattacherjee, A. (2001). Understanding Information Systems Continuance: An Expectation-Confirmation Model. *MIS Quarterly*, 25(3), 351–370.

Bhattacherjee, A., Perols, J., & Sanford, C. (2008). Information Technology Continuance: A Theoretical Extension and Empirical Test. *Journal of Computer Information Systems*, 49(1), 17–26.

Bollen, K. A., & Stine, R. (1990). Direct and indirect effects: Classical and bootstrap estimates of variability. *Sociological Methodology*, 20, 115-140.

Boon, N. Y., Ramayah, T., Ping, T. A., & Lo, M.-C. (2013). Intention to Use E-Government Websites among Universiti Sains Malaysia (USM) Students. In *Pablos, Patricia Ordóñez De Lovelle, Juan Manuel Cueva Gayo, Jose Emilio Labra Tennyson, Robert D. (eds). E-Procurement Management for Successful Electronic Government Systems* (pp. 169–180).

Bryman, A., & Bell, E. (2007). Business research methods (2<sup>nd</sup> ed.). New York: Oxford University Press.

Bwalya, K. J., Plessis, T. D. & Rensleigh, C. (2014). E-government implementation in Zambia- prospects. *Transforming Government: People, Process and Policy*, 8(1), 101-130. doi: 10.1108/TG-01-2013-0002.

Byrne, B. M. (2010). *Structural Equation Modelling with AMOS: Basic concept applications and programming* (2<sup>nd</sup> ed.). New York: Routledge.

Carter, L. (2008). E-government diffusion : a comparison of adoption constructs. *Transforming Government: People, Process and Policy*, 2(3), 147–161. doi:10.1108/17506160810902167.

Carter, L., Shaupp, L. C., Hobbs, J., & Campbell, R. (2011). The role of security and trust in the adoption of online tax filing. *Transforming Government: People, Process and Policy*, 5(4), 303–318. doi:10.1108/17506161111173568.

Chang, C.-C. (2013). Exploring the determinants of e-learning systems continuance intention in academic libraries. *Library Management*, 34(1/2), 40–55. doi:10.1108/01435121311298261.

Chatfield, A., & AlAnazi, J. (2013). Service quality, citizen satisfaction, and loyalty with self-service delivery options to transforming e-government services. In *24th Australasian Conference on Information Systems, Australia* (pp. 1–11).

Chen, C.-W. (2010). Impact of quality antecedents on taxpayer satisfaction with online tax-filing systems - An empirical study. *Information & Management*, 47(5-6), 308–315. doi:10.1016/j.im.2010.06.005.

Chen, J. V., Jubilado, R. J. M., Capistrano, E. P. S., & Yen, D. C. (2015). Factors affecting online tax filing-An application of the IS Success Model and trust theory. *Computers in Human Behavior*, 43, 251–262. doi:10.1016/j.chb.2014.11.017.

Chen, S.-C., Chen, H.-H., & Chen, M.-F. (2009). Determinants of satisfaction and continuance intention towards self-service technologies. *Industrial Management & Data Systems*, 109(9), 1248–1263. doi:10.1108/02635570911002306.

Chen, S.-C., Yen, D. C., & Hwang, M. I. (2012). Factors influencing the continuance intention to the usage of Web 2.0: An empirical study. *Computers in Human Behavior*, 28(3), 933–941. doi:10.1016/j.chb.2011.12.014.

Chen, Y.-Y., Huang, H.-L., Huang, W.-N., & Sung, S.-F. (2009). Confirmation of Expectations and Satisfaction with an On-Line Service: The Role of Internet Self-Efficacy. In *International Conference on New Trends in Information and Service Science* (pp. 880–885). Ieee. doi:10.1109/NISS.2009.60.

Cheung, C. M. K., & Lee, M. K. O. (2011). Antecedents and Consequences of User Satisfaction with an e-Learning Portal. *International Journal of Digital Society*, 2(1), 373–380.

Choi, H.-S., Park, J.-W., & Park, S.-B. (2011). A Study on the Effect of Mobile Tourism Information Services on Tourist Satisfaction and Continual Reuse. *International Journal of Business & Information Technology*, 1(3), 189–195.

Chong, A. Y. (2013). Understanding mobile commerce continuance intentions : an empirical analysis of chinese consumers. *Journal of Computer Information Systems*, 53(4), 22–30.

Chong, A. Y.-L. (2011). What Drives Malaysian E-Government Adoption? An Empirical Analysis. *Information Resources Management Journal*, 24(2), 16–27. doi:10.4018/irmj.2011040102.

Chumsombat, N. (2014). User Evaluations Service Quality on E-tax filing Satisfaction within The Public Sector. In *IEEE 17th International Conference on Computational Science and Engineering User* (pp. 930–935). doi:10.1109/CSE.2014.187.

Cordeiro, C., Machas, A., & Neves, M. M. (2010). A case study of a customer satisfaction problem: Bootstrap and imputation techniques. In V. Esposito Vinzi

et al. (eds.), *Handbook of Partial Least Squares: Concepts, Methods and Applications* (279-287). Springer Handbooks of Computational Statistics, Springer-Verlag Berlin Heidelberg.

Cyber Security Malaysia. (2013). *Reported Incidents based on General Incident Classification Statistics 2013*. Retrieved from <https://www.mycert.org.my/statistics/2013.php>.

Davis, F. D. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. *MIS Quarterly*, 13(3), 319–340.

DeLone, W. H., & McLean, E. R. (1992). Information Systems Success: The Quest for the Dependent Variable. *Information Systems Research*, 3(1), 60–95.

DeLone, W. H., & McLean, E. R. (2003). The DeLone and McLean Model of Information Systems Success : A Ten-Year Update. *Journal of Management Information Systems*, 19(4), 9–30.

Department of Statistics, Malaysia (2011). Population Distribution and Basic Demographic Characteristics Report 2010. Retrieved from [http://www.statistics.gov.my/portal/index.php?option=com\\_content&id=1215](http://www.statistics.gov.my/portal/index.php?option=com_content&id=1215)

Department of Statistics. (2013). *Population Statistics*. Retrieved from [http://www.statistics.gov.my/dosm/uploads/files/3\\_Time\\_Series/Malaysia\\_Time\\_Series\\_2013/21Perangkaan\\_Penduduk.pdf](http://www.statistics.gov.my/dosm/uploads/files/3_Time_Series/Malaysia_Time_Series_2013/21Perangkaan_Penduduk.pdf).

Dorasamy, M., Marimuthu, M., Raman, M., & Kaliannan, M. (2010). E-government services online: An exploratory study on tax e-filing in Malaysia. *International*

Journal of Electronic Government Research, 6(4), 12-24. doi: 10.4018/jegr.2010100102.

Drasgow, F. (1984). Scrutinizing psychological tests: Measurement equivalence and equivalent rotation with external variables are the central issues. *Psychological Bulletin*, 95, 134-135.

Economic Planning Unit. (2013). *Malaysian Well-being Report 2013*.

Efron, B. (1979). Bootstrap methods: Another look at the jackknife. *The Annals of Statistics*, 7(1), 1-26.

Evans, D., & Yen, D. C. (2006). E-Government: Evolving relationship of citizens and government, domestic, and international development. *Government Information Quarterly*, 23, 207–235. doi:10.1016/j.giq.2005.11.004.

Fakhoury, R., & Aubert, B. (2015). Citizenship, trust and behavioural intentions to use public e-services: The case of Lebanon. *International Journal of Information Management*, 35(3), 346-351. doi: 10.1016/j.ijinfomgt.2015.02.002.

Fang, Z. (2002). E-Government in Digital Era: Concept, Practice, and Development. *International Journal of The Computer, The Internet and Management*, 10(2), 1–22.

Fgee, E.-B., & Alkallas, M. I. (2013). E-Government in Libya: Constraints, Potentials and Implementation. In *International Conference on Computer Applications Technology (ICCATT)* (pp. 1–7).

Field, A. (2009). *Discovering Statistics using SPSS* (3<sup>rd</sup> ed.). London: SAGE Publications.

Floropoulos, J., Spathis, C., Halvatzis, D., & Tsipouridou, M. (2010). Measuring the success of the Greek Taxation Information System. *International Journal of Information Management*, 30, 47–56. doi:10.1016/j.ijinfomgt.2009.03.013.

Flynn, B. B., Sakakibara, S., Achroeder, R. G., Bates, K. A., & Flynn, E. J. (1990). Empirical research methods in operations managemnet. *Journal of Operations Managements*, 9(2), 251-284.

Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*, 18(1), 39-50.

Fu, J.-R., Farn, C.-K., & Chao, W.-P. (2006). Acceptance of electronic tax filing : A study of taxpayer intentions. *Information & Management*, 43(2), 109–126. doi:10.1016/j.im.2005.04.001.

Garland, R. (1991). The mid-point on rating scale: is it desirable? *Marketing Buletin*, 2, 66-70.

Gartner. (2013). “Worldwide IT spending to hit \$3.8 trillion in 2013.” Retrieved from <http://www.cnet.com/news/gartner-worldwide-it-spending-to-hit-3-8-trillion-in-2013/>.

Gauld, R., Goldfinch, S., & Horsburgh, S. (2010). Do they want it? Do they use it? The “Demand-Side” of e-Government in Australia and New Zealand.

*Government Information Quarterly*, 27(2), 177–186.

doi:10.1016/j.giq.2009.12.002.

Gay, L. R., Mills, G. E., & Airasian, P. (2006). *Education research: Competencies for analysis and application* (8th ed.). Uppersaddle River, New Jersey: Pearson Education International, Inc.

Gazali, E. (2012, March 17). More taxpayers opting for e-Filing - General - New Straits Times. *New Straits Times*. Retrieved from <http://www2.nst.com.my/nation/general/more-taxpayers-opting-for-e-filing-1.61809>.

Gefen, D., Straub, D. W., & Boudreau, M.-C. (2000). Structural equation modelling and regression: Guidelines for research practice. *Communications of the Association for Information Systems*, 4(7), 1-77.

Ghazali, N. (2014). The Adoption Factors of Using e-Government Services (Study Case in Malaysia). In *2nd International Conference on Technology, Informatics, Management, Engineering & Environment Bandung, Indonesia* (pp. 326–330).

Ghiselli, E. E., Campbell, J. P. & Zedeck, S. (1981). *Measurement theory for the behavioural sciences*. San Francisco, CA: Freeman.

Ghozali, H. I., Fuad, J., & Seti, M. (2005). Structural equation modelling-teori, konsep dan aplikasi dengan program LISTREL. Semarang, Indonesia: Badan Penerbit University Diponegoro.

Goh, C.Y, Ong, J. W., Tan, S. Z., Goh, G. G. G., Eze, U. C. (2012). E-service quality and user satisfaction towards e-filing. *International Jornal on Social Science Economics and Art*, 2(2), 50-54.

Gotz, O., Liehr-Gobbers, K., & Krafft, M. (2010). Evaluation of Structural Equation Models using the partial Least Squares (PLS) Approach. In V. Esposito Vinzi et al. (eds), *Handbook of partial least squares: Concepts, methods and applications*, 691-711. Springer Handbooks of Computational Statistics, Springer-Verlag Berlin Heidelberg.

Guinea, A. O. De, & Markus, M. L. (2009). Why Break the Habit of a Lifetime? Rethinking the Roles of Intention, Habit, and Emotion in Continuing Information Technology Use. *MIS Quarterly*, 33(3), 433–444.

Hair, J. F., Anderson, R. E., Tatham, R. L., & Black, W. C., (1998). *Multivariate Data Analysis*. Prentice Hall International, Hemel Hempstead.

Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., & Tatham, R. L. (2006). *Multivariate data analysis* (6th ed). Upper Saddle River, NJ: Pearson/Prentice Hall.

Hair, J. F., Hult, G. T. M., Ringle, C. M., & Sarstedt, M. (2014). *A primer on partial least squares structural modelling (PLS-SEM)*. Thousand Oaks:Sage.

Hair, J.F., Black, W. C., Babin, B.J., & Anderson, R. E. (2010). *Multivariate data analysis*. Englewood Cliffs, NJ: Prentice Hall.

Hair. J. F. J., Money, A.H., Samouel P., & Page, M. (2007). Research methods for business. UK: John Wiley & Son Ltd, 613.

Hair, J. F., Wolfinbarger, M. F., & Ortinall, D. J. (2008). *Essential of marketing research*. Boston: McGraw Hill/Irwin.

Hamid, A. A, Razak, F. Z. A., Bakar, A. A. & Abdullah, W, S, W (2016). The effects of perceived usefulness and perceived ease of use on continuance intention to use e-government. In *7th International Economics & Business Management Conference, Procedia Economics and Finance*, pp 644-649.

Hau, K. T., & Marsh, H. W. (2004). The use of items parcels in structural equation modelling. Non-normal data and small sample sizes. *British Journal of Mathematical and Statistical Psychology*, 57, 327-335.

Hayes, A. F. (2009). Beyond Baron and Kenny: Statistical mediation analysis in the new millennium. *Communication Monographs*, 76(4), 408-420.

Hayes, A. F. (2013). *Introduction to mediation, moderation, and conditional process analysis: A regression-based approach*. New York: The Guilford Press.

Heeks, R. B. (2008). *E-government for development, institute for development policy and management*, University of Manchester, Manchester.

Hernandez-Ortega, B. (2011). The role of post-use trust in the acceptance of a technology: Drivers and consequences. *Technovation*, 31(10-11), 523–538.  
doi:10.1016/j.technovation.2011.07.001

Hernandez-Ortega, B., Serrano-Cinca, C., & Gomez-Meneses, F. (2014). The firm's continuance intentions to use inter-organizational ICTs : The influence of contingency factors and perceptions. *Information & Management*, 51(6), 747–761. doi:10.1016/j.im.2014.06.003

Ho, C.-H. (2010). Continuance Intention of E-Learning Platform: Toward an Integrated Model. *International Journal of Electronic Business Management*, 8(3), 206–215.

Hoechle, H., Huff, S., & Goode, S. (2012). The Role of Continuous Trust in Information Systems Continuance. *Journal of Computer Information Systems*, 52(4), 1–9.

Hong, S., Kim, J., & Lee, H. (2008). Antecedents of Use-Continuance in Information Systems: Toward an Integrated View. *Journal of Computer Information Systems*.

Hong, S.-J., Thong, J. Y. L., & Tam, K. Y. (2006). Understanding continued information technology usage behavior: A comparison of three models in the context of mobile internet. *Decision Support Systems*, 42, 1819–1834. doi:10.1016/j.dss.2006.03.009.

Hooper, D. (2012). Introduction to exploratory factor analysis. Institute of Dubli. h/p:www.sides. Retrieved 20th February, 2016.

Hossain, M. A., & Quaddus, M. (2012). Expectation–Confirmation Theory in Information System Research: A Review and Analysis. In Y. K. Dwivedi, M. R. Wade, & S. L. Schneberger (Eds.), *Y.K. Dwivedi et al. (eds.), Information Systems Theory: Explaining and Predicting Our Digital Society, Vol. 1, Integrated Series in Information Systems* (Vol. 28, pp. 441–469). New York, NY: Springer New York. doi:10.1007/978-1-4419-6108-2.

Hoyle, R. H. (1995). *Structural equation modelling: Concepts, issues and applications*. Sage Publications, Thousand Oaks, London. New Delhi.

Hsieh, J. J. P.-A., Rai, A., & Keil, M. (2008). Understanding digital inequality: comparing continued use behavioral models of the socio-economically advantaged and disadvantaged. *MIS Quarterly*, 32(1), 97–126.

Hsu, M.-H., & Chiu, C.-M. (2004). Predicting electronic service continuance with a decomposed theory of planned behaviour. *Behaviour & Information Technology*, 33(5), 359–373. doi:10.1080/01449290410001669969.

Hsu, M.-H., Chang, C.-M., Chu, K.-K., & Lee, Y.-J. (2014). Determinants of repurchase intention in online group-buying: The perspectives of DeLone & McLean IS success model and trust. *Computers in Human Behavior*, 36, 234–245. doi:10.1016/j.chb.2014.03.065.

Hu, L. T., & Bentler, P. M. (1998). Fit indices in covariance structure modelling: Sensitivity to underparameterized model misspecification. *Psychological Methods*, 3(4), 424-453.

Hu, P. J.-H., Brown, S. A., Thong, J. Y. L., Chan, F. K. Y., & Tam, K. Y. (2009). Determinants of service quality and continuance intention of online services: The case of eTax. *Journal of the American Society for Information Science and Technology*, 60(2), 292–306. doi:10.1002/asi.20956.

Hulland, J. (1999). Use of Partial Least Squares (PLS) in Strategic Management Research: A review of Four Recent Studies. *Strategic Management Journal*, 20(2), 195-204.

Hung, M.-C., Yang, S.-T., & Hsieh, T.-C. (2012). An Examination of the Determinants of Mobile Shopping Continuance. *International Journal of Electronic Business Management*, 10(1), 29–37.

Hussein, R., Mohamed, N., Ahlan, A. R., & Mahmud, M. (2011). E-government application : an integrated model on G2C adoption of online tax. *Transforming Government: People, Process and Policy*, 5(3), 225–248.  
doi:10.1108/1750616111155388

Hussein, R., Mohamed, N., Ahlan, A. R., Mahmud, M., & Aditiawarman, U. (2009). G2C Acceptance in Malaysia: Trust, Perceived Risk and Political Efficacy. In *Proceedings of the Third international conference on Innovation and Information and Communication Technology (ISIICT )* (pp. 165–174).

Hussein, R., Mohamed, N., Ahlan, A. R., Mahmud, M., & Aditiawarman, U. (2010). An Integrated Model on Online Tax Adoption in Malaysia. In *European, Mediterranean & Middle Eastern Conference on Information Systems* (pp. 1–16).

Iacobucci, D., Saldanha, N., & Deng, X. (2007). A meditation on mediation: Evidence that structural equations models perform better than regressions. *Journal of Consumer Psychology*, 17 (2), 139-153.

Ibrahim, I., & Pope, J. (2011). Compliance Costs of Electronic Tax Filing for Personal Taxpayers in Malaysia. In *International Conference on Management (ICM) Proceeding* (pp. 927–940).

Ilias, A., Razak, M. Z. A., & Yasoa, M. R. (2009). Taxpayers' Attitude In Using E-Filing System: Is There Any Significant Difference Among Demographic Factors? *Journal of Internet Banking and Commerce*, 14(1), 1–13.

Ilias, A., Suki, N. M., Yasoa, M. R., & Rahman, R. A. (2008). A Study of Taxpayers' Intention in Using E-Filing System : A Case in Labuan F.Ts. *Computer and Information Science*, 1(2), 110–119.

Internet World Statistics. (2013). Asia Internet Stats Facebook Broadband and Population Statistics. Retrieved from <http://www.internetworldstats.com/asia.htm>.

Irani, Z., Weerakkody, V., Kamal, M., Hindi, N. M., Osman, I. H., Anouze, A. L., Al-Ayoubi, B. (2012). An analysis of methodologies utilised in e-government research A user satisfaction perspective. *Journal of Enterprise Information Management*, 25(3), 298–313. doi:10.1108/17410391211224417.

Islam, A. K. M. N. (2011). The Determinants of the Post-Adoption Satisfaction of Educators with an E-Learning System. *Journal of Information Systems Education*, 22(4), 319–331.

Islam, A. K. M. N. (2012). The Role of Perceived System Quality as Educators' Motivation to Continue E-learning System Use. *Transactions on Human-Computer Interaction*, 4(1), 25–43.

Islam, A. M., Yusuf, D. H. M., Yusoff, W. S., & Johari, A. N. B. (2012). Factors affecting user satisfaction in the Malaysian income tax e-filing system. *African*

*Journal of Business Management*, 6(21), 6447–6455.

doi:10.5897/AJBM11.1689.

Jiang, X. (2011). Enhancing Users' Continuance Intention to E-Government Portals: An Empirical Study. In *International Conference on Management and Service Science (MASS), China* (pp. 1–4). Ieee. doi:10.1109/ICMSS.2011.5998967.

Jiang, X., & Ji, S. (2014). E-Government Web Portal Adoption : A Service Level and Service Quality Perspective. In *47th Hawaii International Conference on System Science* (pp. 2179 – 2188). doi:10.1109/HICSS.2014.275.

Joseph, R. C. (2013). A structured analysis of e-government studies: Trends and opportunities. *Government Information Quarterly*, 30(4), 435–440. doi:10.1016/j.giq.2013.05.006.

Kamarulzaman, Y., & Azmi, A. A. C. (2010). Tax E-filing Adoption in Malaysia: A Conceptual Model. *Journal of E-Government Studies and Best Practices*, 1–6.

Kang, C. R., Hung, M. C., Yang, S. T., Hsieh, T. C. & Tang, S. M. (2010). Factors affecting the continued intention of mobile shopping. *Proceeding of the Industrial Engineering and Engineering Management, IEEE International Conference*, 710-713.

Kang, Y. S., Hong, S., & Lee, H. (2009). Exploring continued online service usage behavior: The roles of self-image congruity and regret. *Computers in Human Behavior*, 25(1), 111–122. doi:10.1016/j.chb.2008.07.009.

Kassim, E. S., Jailani, S. F. A. K., Hairuddin, H., & Zamzuri, N. H. (2012). Information System Acceptance and User Satisfaction: The Mediating Role of

Trust. *Procedia - Social and Behavioral Sciences*, 57, 412–418.  
doi:10.1016/j.sbspro.2012.09.1205.

Kassim, N., & Abdullah, N. A. (2010). The effect of perceived service quality dimensions on customer satisfaction, trust, and loyalty in e-commerce settings: A cross cultural analysis. *Asia Pacific Journal of Marketing and Logistics*, 22(3), 351–371. doi:10.1108/13555851011062269.

Khayun, V., & Ractham, P. (2011). Measuring e-Excise Tax Success Factors : Applying the DeLone & McLean Information Systems Success Model. In *Proceedings of the 44th Hawaii International Conference on System Sciences* (pp. 1–10).

Kim, J., Hong, S., Min, J., & Lee, H. (2011). Antecedents of application service continuance: A synthesis of satisfaction and trust. *Expert Systems with Applications*, 38 (8), 9530-9542.

Kline, R. (1998). *Principles and practices of structural equation modelling*. New York. Guilford Press.

Kumar, R. (2011). *Research methodology a step-by-step guide for beginners* (3<sup>rd</sup> ed.) New Delhi: SAGE Publications Ltd.

Kumar, R. (2014). *Research methodology a step-by-step guide for beginners*. London: SAGE Publications Ltd.

Krejcie, R. V., & Morgan, D. W. (1970). Determining sample size for research activities. *Educational and Phychological Measurement*, 30, 607-610.

- Krosnick, J. A., & Fabrigar, L. R. (1997). Designing rating scales for effective measurement in surveys. In L. Lyberg, P. Biemer, M. Collins, E. De Leeuw, C. Dippo, N. Schwars and D. Trewin (Eds.), *Survey Measurement and Process Quality*. New York: John Wiley & Sons, Inc.
- Lean, O. K., Zailani, S., Ramayah, T., & Fernando, Y. (2009). Factors influencing intention to use e-government services among citizens in Malaysia. *International Journal of Information Management*, 29(6), 458–475.  
doi:10.1016/j.ijinfomgt.2009.03.012.
- Lee, M.-C. (2010). Explaining and predicting users' continuance intention toward e-learning: An extension of the expectation-confirmation model. *Computers & Education*, 54(2), 506–516. doi:10.1016/j.compedu.2009.09.002.
- Lee, Y., & Kwon, O. (2011). Intimacy, familiarity and continuance intention: An extended expectation -confirmation model in web-based services. *Electronic Commerce Research and Applications*, 10(3), 342–357.  
doi:10.1016/j.elerap.2010.11.005.
- Li, H., & Liu, Y. (2014). Understanding post-adoption behaviors of e-service users in the context of online travel services. *Information & Management*, 51(8), 1043–1052. doi:10.1016/j.im.2014.07.004.
- Liao, C., Chen, J.-L., & Yen, D. C. (2007). Theory of planning behavior (TPB) and customer satisfaction in the continued use of e-service: An integrated model. *Computers in Human Behavior*, 23, 2804–2822. doi:10.1016/j.chb.2006.05.006.

Liao, C., Palvia, P., Chen, J.-L. (2009). Information technology adoption behavior life cycle: Towards a technology continuance theory (TCT). *International Journal of Information Management*, 29 (4), 309-320.

Lim, E. T. K., Tan, C.-W., Cyr, D., Pan, S. L., & Xiao, B. (2011). Advancing Public Trust Relationships in Electronic Government: The Singapore E-Filing Journey. *Information Systems Research*, 23(4), 1–21.

Lim, S. H., Kim, D. J., & Lee, J. S. (2013). An Empirical Study on the Sustained Adoption of e-Government Services using Extended Expectation Confirmation Model. *International Journal of Information Processing and Management (IJIPM)*, 4(3), 192–198. doi:10.4156/ijipm.vol4.issue3.18.

Limayem, M., & Cheung, C. M. K. (2008). Understanding information systems continuance : The case of Internet-based learning technologies. *Information & Management*, 45, 227–232. doi:10.1016/j.im.2008.02.005.

Limayem, M., & Cheung, C. M. K. (2011). Predicting the continued use of Internet-based learning technologies : the role of habit. *Behaviour & Information Technology*, 30(1), 91–99. doi:10.1080/0144929X.2010.490956.

Limayem, M., & Hirt, S. G. (2003). Habit in the Context of IS Continuance : Theory Extension and Scale Development. In *Proceedings of the 11th European Conference on Information Systems*, C. U. Ciborra, R. Mercurio, M. de Marco, M. Martinez, and A. Carignani (eds.).

Limayem, M., Hirt, S. G., & Cheung, C. M. K. (2007). How habit limits the predictive power of intention: the case of information system continuance. *MIS Quarterly*, 31(4), 705–737.

Lin, H., Fan, W., & Chau, P. Y. K. (2014). Determinants of users' continuance of social networking sites: A self-regulation perspective. *Information & Management*, 51(5), 595–603. doi:10.1016/j.im.2014.03.010.

Little, R. J. A., & Rubin, D. B. (1987). *Statistical Analysis with Missing Data*. New York: John Wiley & Sons, Inc.

Lu, C. -T., & Ting, C. -T. (2013). A study of tax e-filing acceptance model: A structural equation modelling approach. In *IEEE/ACIS 12<sup>th</sup> International Conference Computer and Information Science (ICIS)*, 1-6.

Maitland, A. (2009). How many scales points should I include for attudinal questions? *Survey Practice*, 2 (5). Retrieved from <http://www.surveypartice.org/index.php/SurveyPractice/article/view/179/html>

Malaysian Communication and Multimedia Malaysia. (2010). *Household Use of the Internet Survey 2009*.

Malaysian Communication and Multimedia Malaysia. (2012). *Household Use of the Internet Survey 2011*.

Malhotra, N. K. (2008). *Essentials of marketing: An applied orientation* (2<sup>nd</sup> ed.). Australia: Pearson Education.

MAMPU. (2011). *The Malaysian Public Sector ICT Strategic Plan: Powering Public Sector Digital Transformation 2011-2015*.

Mayer, R. C., Davis, J. H., & Schoorman, F. D. (1995). An Integrative Model of Organizational Trust. *The Academy of Management Review*, 20(3), 709–734.

Mecklin, C. J., & Mundform, D. J. (2004). An appraisal and bibliography of tests for multivariate normality. *International Statistical Review*, 72(1), 123-138.

Meikeng, Y. (2014). Bandwidth for e-filing website increased three-fold. *The Star*. Retrieved from: <http://www.thestar.com.my/news/nation/2014/04/28/irb-all-set-for-lastminute-rush-bandwidth-for-efiling-website-increased-threecold/>

Moorthy, M. K., Samsuri, A. S. B., Hussin, S. B. M., Othman, M. S. B., & Chelliah, M. K. (2014). E-Filing Behaviour among Academics in Perak State in Malaysia. *Technology and Investment*, 5(2), 79–94. doi:10.4236/ti.2014.52009.

Mpinganjira, M. (2015). Perceived Ease of Use : Examining Its Influence on Personal Use of the Tax e-Filing System. *International Journal of Innovation and Technology Management*, 12(1), 1–13. doi:10.1142/S0219877015500030.

Multimedia Development Corporation. (2013). *Malaysia Government Portals and Websites Assessment 2013*.

Nicolau, A. I. & McKnight D. H. (2006). Perceived information quality in data exchanges: Effects on risk, trust and intention to use. *Information Systems Research*, 17(4), 332-441

Norshita, M. N., Halimah, B. Z., & Mohammad, T. S. T. (2010). Public User Assessment of Malaysia's E-Government Applications. *World Academy of Science, Engineering and Technology*, 43, 813–817.

Nunnally, J. C., & Bernstein, I. H. (1994). *Psychometric theory* (3rd ed.). New York: McGraw-Hill.

Nusair, K. & Hua, N. (2010). Comparative assessment of structural equation modelling and multiple regression research methodologies: E-commerce context. *Tourism Management*, 31, 314-324. doi: 10.1016/j.tourman.2009.03.010.

Ojha, A., Sahu, G. P., & Gupta, M. . (2009). Antecedents of paperless income tax filing by young professionals in India : an exploratory study. *Transforming Government: People, Process and Policy*, 3(1), 65–90. doi:10.1108/17506160910940740.

Oliver, R. L. (1980). A Cognitive Model of the Antecedents and Consequences of Satisfaction Decisions. *Journal of Marketing Research*, 17(4), 460–469.

Pallant, J. (2010). *SPSS Survival Manual: A step by step guide to data analysis using SPSS*. (4<sup>th</sup> ed.). Maidenhead: Open University Press/McGraw-Hill.

Pallant, J. (2011). *SPSS Survival Manual: A step by step guide to data analysis using SPSS* (4<sup>th</sup> ed.). Australia: Allen and Unwin.

Papadopoulou, P., Nikolaidou, M., & Martakos, D. (2010). What Is Trust in E-Government? A Proposed Typology. In *Proceedings of the 43rd Hawaii International Conference on System Sciences* (pp. 1–10). Ieee. doi:10.1109/HICSS.2010.491

Pavlou, P. A., & Fygenson, M. (2006). Understanding and Predicting Electronic Commerce Adoption: An Extension of the Theory of Planned Behavior. *MIS Quarterly*, 30(1), 115–143.

Preacher, K. J., & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, & Computers*, 36(4), 717-731.

Preacher, K. J., & Hayes, A. F. (2008). Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods*, 40(3), 879-891.

Preacher, K. J., & Selig, J. P. (2012). Advantages of monte carlo confidence intervals for indirect effects. *Communication Methods and Measures*, 6, 77-98.

Rahim, M. A., Ahmad, J., Aziz, R. A., Hamid, K. C. A., & Nen, Z. M. (2012). The promotion of Electronic Filing Technology. In *IEEE Symposium on Humanities, Science and Engineering Research* (pp. 1603–1606).

Rahim, R. (2011). Taxpayers Successfully Refunded. *The STAR*.

Ramayah, T., Ahmad, N. H., & Lo, M.-C. (2010). The role of quality factors in intention to continue using an e-learning system in Malaysia. *Procedia Social and Behavioral Sciences*, 2, 5422–5426. doi:10.1016/j.sbspro.2010.03.885

Ramayah, T., Yusoff, Y. M., Jamaludin, N., & Ibrahim, A. (2009). Applying the Theory of Planned Behavior (TPB) to Predict Internet Tax Filing Intentions. *International Journal of Management*, 26(2), 272–285.

Ramoo, V., Ramayah, T., Lo, M.-C., & Ping, T. A. (2013). Electronic Tax Filing: Preliminary Evidence from a Developing Country. In *Pablos, Patricia Ordóñez De Lovelle, Juan Manuel Cueva Gayo, Jose Emilio Labra Tennyson, Robert D.* (eds). *E-Procurement Management for Succesfull Electronic Government Systems* (pp. 147–156). doi:10.4018/978-1-4666-2119-0.ch009.

Raymon, M. R. (1986). Missing data in evaluation research. *Evaluation & the Health Professions*, 9(4), 395-420.

Reddick, C., & Norris, D. F. (2013). E-participation in local governments: An examination of political-managerial support and impacts. *Transforming Government: People, Process and Policy*, 7(4), 453–476. doi:10.1108/TG-02-2013-0008.

Rehman, M., Esichaikul, V., & Kamal, M. (2012). Factors influencing e-government adoption in Pakistan. *Transforming Government: People, Process and Policy*, 6(3), 258–282. doi:10.1108/17506161211251263.

Reji Kumar, G., & Ravindran, D. S. (2012). An Empirical Study on Service Quality Perceptions and Continuance Intention in Mobile Banking Context in India. *Journal of Internet Banking and Commerce*, 17(1), 1–22.

Roca, J. C., Chiu, C.-M., & Martinez, F. J. (2006). Understanding e-learning continuance intention: An extension of the Technology Acceptance Model. *International Journal of Human-Computer Studies*, 64, 683–696. doi:10.1016/j.ijhcs.2006.01.003.

Saha, P., Nath, A. K., & Salehi-Sangari, E. (2012). Evaluation of government e-tax websites : an information quality and system quality approach. *Transforming Government: People, Process and Policy*, 6(3), 300–321. doi:10.1108/17506161211251281.

Sahari, N., Zainal Abidin, N., Kasimin, H., & Mohd Idris, H. (2012). Malaysian e-Government Application : Factors of Actual Use. *Australian Journal of Basic and Applied Sciences*, 6(12), 325–334.

Santhanamery, T., & Ramayah, T. (2012a). Continued Usage Intention of E-Filing System in Malaysia : The Role of Optimism Bias. *Procedia - Social and Behavioral Sciences*, 65, 397–403. doi:10.1016/j.sbspro.2012.11.140.

Santhanamery, T., & Ramayah, T. (2012b). Tax payers continued use of an e-filing system : A proposed model. *Journal of Technics Technology Education Management (TTEM)*, 7(1), 249–258.

Santhanamery, T., & Ramayah, T. (2013). The Effect of Personality Traits on User Continuance Usage Intention of e-Filing System. *Journal of Economics, Business and Management*, 1(1), 25–29. doi:10.7763/JOEBM.2013.V1.6.

Santhanamery, T., & Ramayah, T. (2015). Understanding the Effect of Demographic and Personality Traits on the E-Filing Continuance Usage Intention in Malaysia. *Global Business Review*, 2(2010), 133–149. doi:10.1177/0972150914553459.

Satapathy, S., Mahapatra, S. S., Patel, S. K., Biswas, a., & Mishra, P. D. (2014). Service satisfaction in E\_Electricity service in Odisha (a state of India) by

structural equation modeling. *Benchmarking: An International Journal*, 21(4), 634–650. doi:10.1108/BIJ-07-2012-0049.

Schumacker, R. E. & Lomax, R. G. A. (2010). *Beginners Guide to Structural Equation Modelling*.

Sekaran, U., & Bougie, R. (2010). *Research methods for business: A skill building approach*. 5th ed., Wiley, New York.

Sengovia, R. H., Jennex, M. E., & Beatty, J. (2009). Paralingual Web Design and Trust in E-Government. *International Journal of Electronic Government Research*, 5(1), 36–49.

Shah, M. H., Peikari, H. R., & Yasin, N. M. (2014). The determinants of individuals' perceived e-security: Evidence from Malaysia. *International Journal of Information Management*, 34(1), 48-57. doi: 10.1016/j.ijinfomgt.2013.10.001.

Shajari, M., & Ismail, Z. (2014). Constructing an Adoption Model for e-Government Services. *Jurnal Teknologi(Sciences and Engineering)*, 68(2), 29–37.

Shari, I. (2010). Govt Forks Out a Bomb for Taxpayers Who Shy Away from e-Filing. *The STAR*.

Shiau, W.-L., & Chau, P. Y. K. (2012). Understanding blog continuance: a model comparison approach. *Industrial Management & Data Systems*, 112(4), 663–682. doi:10.1108/02635571211225530.

Shiau, W.-L., Huang, L.-C., & Shih, C.-H. (2011). Understanding Continuance Intention of Blog Users: A Perspective of Flow and Expectation Confirmation

Theory. *Journal of Convergence Information Technology*, 6(4), 306–317.  
doi:10.4156/jcit.vol6.issue4.33.

Sorn-in, K., Tuamsuk, K., Chaopanon, W. (2015). Factors affecting the development of e-government using a citizen-centric approach. *Journal of Science & Technology Policy Management*, 6 (3), 206-222. doi: 10.1108/JSTPM-05-2014-0027.

Srivastava, S. C., & Teo, T. S. H. (2007). E-Government Payoffs: Evidence from Cross-Country Data. *Journal of Global Information Management*, 15(4), 20–40.

Suki, N. M., & Ramayah, T. (2010). User Acceptance of the E-Government Services in Malaysia : Structural Equation Modelling Approach. *Interdisciplinary Journal of Information, Knowledge, and Management*, 5, 395–413.

Susanto, A., Chang, Y., Zo, H., & Park, M. C. (2012). The Role of Trust and Security in Smartphone Banking Continuance. In *IEEE International Conference on Systems, Man, and Cybernetics, Seoul, Korea* (pp. 2133–2138).

Tabachnick, B. G., & Fidell, L. S. (1989). Using multivariate statistics. *Harper Collins Tuan, PD A comment from the viewpoint of time series analysis Journal of Psychophysiology*, 3, 46-48.

Tabachnick, B. G., & Fidell, L. S. (2007). *Using multivariate statistics* (5th ed.). Pearson Education. Boston, MA.

Tabachnick, B. G., & Fidell, L. S. (2013). *Using multivariate statistics* (6th ed.). Boston, MA: Allyn & Bacon.

Tallaha, A. M., Shukor, Z. A., & Hassan, N. S. A. (2014). Factors Influencing E-Filing Usage Among Malaysian Taxpayers: Does Tax Knowledge Matters? *Jurnal Pengurusan*, 40, 91–101.

Teddlie, C., & Yu, F. (2007). Mixed methods sampling: A typology with examples. *Journal of Mixed Methods Research*, 1, 77-100.

Teo, T. S. H., Srivastava, S. C., & Jiang, L. (2008). Trust and Electronic Government Success: An Empirical Study. *Journal of Management Information Systems*, 25(3), 99–131. doi:10.2753/MIS0742-1222250303.

Thominathan, S., & Ramayah, T. (2013). Towards Understanding the Intention to Use and Continuance Usage Intention of E-Filing System in Malaysia: The Moderating Role of Perceived Risk. In Tarnay K. et al. (eds). *Research and Development in E-Business through Service-Oriented Solutions*. IGI Global (pp. 307–324). doi:10.4018/978-1-4666-4181-5.ch016.

Thominathan, S., & Ramayah, T. (2014). Explaining the e-Government Usage Using Expectation Confirmation Model: The Case of Electronic Tax Filing in Malaysia. In L. G. Anthopoulos & C. G. Reddick (Eds.), *L. G. Anthopoulos and C. G. Reddick (eds.), Government E-Strategic Planning and Management, Public Administration and Information Technology* (Vol. 3, pp. 287–304). New York, NY: Springer New York. doi:10.1007/978-1-4614-8462-2.

Thominathan, S., & Thurasamy, R. (2011). Towards a Customer Centric E-Government Application: The Case of E-Filing in Malaysia. In *M. Al-Mutairi, & L. Mohammed (Eds.) Cases on ICT Utilization, Practice and Solutions: Tools*

*for Managing Day-to-Day Issues* (pp. 15–27). Hershey, PA: Information Science Reference. doi:10.4018/978-1-60960-015-0.ch002.

Thong, J. Y. L., Hong, S.-J., & Tam, K. Y. (2006). The effects of post-adoption beliefs on the expectation-confirmation model for information technology continuance. *International Journal of Human-Computer Studies*, 64(9), 799–810. doi:10.1016/j.ijhcs.2006.05.001

UNPAN (2010). *United Nations E-Government Survey 2010: Leveraging e-government at a time of financial and economic crisis*. Retrieved from <http://unpan3.un.org/egovkb/Portals/egovkb/Documents/un/2010-Survey/Complete-survey.pdf>.

UNPAN (2012). *United Nations E-Government Survey 2012: E-government for the People*. Retrieved from <http://unpan3.un.org/egovkb/Portals/egovkb/Documents/un/2012Survey/Complete-Survey.pdf>.

UNPAN (2014). *United Nations E\_Government Survey 2014: E-government for the future we want*. Retrieved from [https://publicadministration.un.org/egovkb/Portals/egovkb/Documents/un/2014-Survey/E-Gov\\_Complete\\_Survey-2014.pdf](https://publicadministration.un.org/egovkb/Portals/egovkb/Documents/un/2014-Survey/E-Gov_Complete_Survey-2014.pdf).

Urbach, N., Smolnik, S., & Riempp, G. (2010). An empirical investigation of employee portal success. *The Journal of Strategic Information Systems*, 19(3), 184-206.

Vathanophas, V., Krittayaphongphun, N., & Klomsiri, C. (2008). Technology acceptance toward e-government initiative in Royal Thai Navy. *Transforming*

*Government: People, Process and Policy*, 2(4), 256–282.

doi:10.1108/17506160810917954.

Venkatesh, V., Thong, J. Y. L., Chan, F. K. Y., Hu, P. J.-H., & Brown, S. A. (2011).

Extending the two-stage information systems continuance model: incorporating UTAUT predictors and the role of context. *Information Systems Journal*, 21(6), 527–555. doi:10.1111/j.1365-2575.2011.00373.x.

Wang, C., (2014). Antecedents and consequences of perceived value in mobile government continuance use: An empirical research in China. *Computers in Human Behavior*, 34, 140-147. doi: 10.1016/j.chb.2014.01.034.

Wang, Y.-S., & Liao, Y.-W. (2008). Assessing eGovernment systems success : A validation of the DeLone and McLean model of information systems success. *Government Information Quarterly*, 25, 717–733. doi:10.1016/j.giq.2007.06.002.

Wangpipatwong, S., Chutimaskul, W., & Papasratorn, B. (2008). Understanding Citizen's Continuance Intention to Use e- Government Website: a Composite View of Technology Acceptance Model and Computer Self-Efficacy. *The Electronic Journal of E-Government*, 6(1), 55–64.

Wangpipatwong, S., Chutimaskul, W., & Papasratorn, B. (2009). Quality Enhancing the Continued Use of E-Government Web Sites: Evidence from E-Citizens of Thailand. *International Journal of Electronic Government Research*, 5(1), 19–35.

Warkentin, M., Gefen, D., Pavlou, P. A., & Rose, G. M. (2002). Encouraging Citizen Adoption of e-Government by Building Trust. *Electronic Markets*, 12(3), 157–162. doi:10.1080/101967802320245929.

Waseda University. (2013). *Waseda University International E-Government Ranking 2013*.

Weerakkody, V., El-Haddadeh, R., Al-Sobhi, F., Shareef, M. A., & Dwivedi, Y. K. (2013). Examining the influence of intermediaries in facilitating e-government adoption: An empirical investigation. *International Journal of Information Management*, 33(5), 716-725. doi:10.1016/j.ijinfomgt.2013.05.001.

World Bank. (2013). *Implementing electronic tax filing and payments in Malaysia. Doing Business 2014: Understanding Regulations for Small and Medium-Size Enterprises*.

Yahya, M., Nadzar, F., & Abdul, B. (2012). Examining User Acceptance of E-Syariah Portal Among Syariah Users in Malaysia. *Procedia - Social and Behavioral Sciences*, 67, 349–359. doi:10.1016/j.sbspro.2012.11.338.

Yaya, L. H. P., Marimon, F., & Casadesus, M. (2014). Assessing the Effects of Online Service Quality on Loyalty and the Mediation Role of Customer Satisfaction and Perceived Value. In *8th International Quality Conference, Center for Quality, Faculty of Engineering, University of Kragujevac* (pp. 223–234).

Yi, M. Y., Yoon, J. J., Davis, J. M., & Lee, T. (2013). Untangling the antecedents of initial trust in Web-based health information: The roles of argument quality,

source expertise and user perceptions of information quality and risk. *Decision Support System*, 55, 284-295.

Zhang, N., Guo, X., & Chen, G. (2011). Why adoption and use behavior of IT/IS cannot last? - two studies in China. *Information Systems Frontiers*, 13(3), 381–395. doi:10.1007/s10796-010-9288-3.

Zheng, Y., Zhao, K., & Stylianou, A. (2013). The impacts of information quality and system quality on users' continuance intention in information-exchange virtual communities: An empirical investigation. *Decision Support Systems*, 56, 513–524. doi:10.1016/j.dss.2012.11.008.

Zhou, T. (2011). An empirical examination of users' post-adoption behaviour of mobile services. *Behaviour & Information Technology*, 30(2), 241–250. doi:10.1080/0144929X.2010.543702.

Zhou, T. (2013a). An empirical examination of continuance intention of mobile payment services. *Decision Support Systems*, 54(2), 1085–1091. doi:10.1016/j.dss.2012.10.034.

Zhou, T. (2013b). Understanding continuance usage of mobile sites. *Industrial Management & Data Systems*, 113(9), 1286–1299. doi:10.1108/IMDS-01-2013-0001.

Zulhuda, S. (2012). The State of E-Government Security in Malaysia : Reassessing the Legal and Regulatory Framework on the Threat of Information Theft. In *1st Taibah University International Conference on Computing and Information Technology (ICCIT), Madinah, Saudi Arabia* (pp. 810–815).

Zikmund, W. G. (1999). Essestials of marketing research, The Dryden Press. USA.



## **APPENDIX**

### **APPENDIX ONE**

#### **Questionnaire Survey**





Dear respected respondents,

I am soliciting for your corporation to participate in my doctoral research survey which aims to examine factors that influence continuance intention of tax e-filing system. Respondents will have to fulfil criteria of having had used tax e-filing system by Inland Revenue Board Malaysia (IRBM) for submission of tax return at least once. This research interested to know users' personal experience or opinion on tax e-filing system. Your inputs will contribute the most valuable information to disseminate my findings. Please read the instruction for each section and please answer all the questions.

Please be assured that all information will be treated with absolute confidentiality and will be used for academic research purpose only. If you have any doubts, questions or needs clarifications, you may address them to me at the contact details below.

Thank you for your kind support and the time taken in answering this questionnaire.

Yours Sincerely,

Punitha A/P Chandra  
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School of Technology Management and Logistics,  
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Responden yang dihormati sekalian,

Saya menghargai kerjasama anda untuk mengambil bahagian dalam kaji selidik penyelidikan kedoktoran saya yang bertujuan untuk mengkaji faktor-faktor yang mempengaruhi niat penerusan sistem cukai e-Filing. Responden perlu memenuhi kriteria iaitu pernah menggunakan sistem cukai e-Filing Lembaga Hasil Dalam Negeri Malaysia (LHDNM) untuk penyerahan penyata cukai sekurang-kurangnya sekali. Kajian ini bertujuan untuk mengetahui pengalaman peribadi pengguna atau pandangan mengenai sistem cukai e-Filing. Input anda akan menyumbang maklumat yang paling berharga untuk menyebarkan penemuan saya. Sila baca arahan untuk setiap bahagian dan sila jawab semua soalan.

Kami memberi jaminan bahawa semua maklumat akan menjadi kerahsiaan mutlak dan akan digunakan untuk tujuan penyelidikan akademik sahaja. Jika anda mempunyai sebarang keraguan, pertanyaan atau memerlukan penjelasan, anda boleh mengemukakannya kepada saya seperti butiran di bawah.

Terima kasih atas sokongan anda dan masa yang telah diluangkan untuk menjawab soalan kaji selidik ini.

Yang Ikhlas,

Punitha A/P Chandra  
Calon PhD,  
Pusat Pengajian Pengurusan Teknologi dan Logistik,  
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06010 Sintok, Kedah  
Email: punitha.chandra@yahoo.com  
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**SECTION A:****BAHAGIAN A:**

1) Have you ever used e-filing system to submit your tax return through online?

Adakah anda pernah menggunakan sistem e-Filing untuk mengemukakan penyata cukai melalui talian?

Yes/ Ya

No/ Tidak

(If “Yes”, answer the following questions)/ (Jika “Ya” jawab soalan-soalan yang berikutnya)

**SECTION B: Demographic Factors****BAHAGIAN B: Faktor-faktor Demografi**

1) Gender/ Jantina:

Male/ Lelaki

Female/ Perempuan

2) Your Age/ Usia anda:

25-34 years/ 25 – 34 tahun

35-44 years/ 35- 44 tahun

45-54 years/ 45-54 tahun

55 and above/ 55 dan ke atas

3) Race/ Bangsa:

Malay/ Melayu

Chinese/ Cina

Indians/ India

Others:(please specify)/ Lain-lain: (Sila nyatakan) \_\_\_\_\_

4) Highest level of education/ Tahap perdidikan tertinggi:

- Diploma/ Diploma
- Bachelor Degree/ Ijazah Sarjana Muda
- Master Degree/ Ijazah Sarjana
- Doctoral Degree/ Ijazah Kedoktoran
- Others: Please specify/ Lain-lain: (Sila nyatakan) \_\_\_\_\_

5) Monthly income/ pendapatan bulanan:

- RM2000-RM2999
- RM3000-RM3999
- RM4000-RM4999
- RM5000-RM5999
- RM6000-RM6999
- RM7000-RM7999
- RM8000-RM8999
- RM9000-RM9999
- RM10,000 and above/ RM 10,000 dan ke atas

6) Computer use experience/ Pengalaman menggunakan komputer:

- 1-10 years/ 1-10 tahun
- 11-20 years/ 11-20 tahun
- 21-30 years/ 21-30 tahun
- 31 years and above/ 31 tahun dan ke atas

7) Internet use experience/ Pengalaman menggunakan internet:

- 1-5 years/ 1-5 tahun
- 6-10 years/6-10 tahun
- 11-15 years/11-15 tahun
- 16-20 years/ 16-20 tahun
- 21 years and above/ 21 tahun dan ke atas

8) Which method did you use to file your income tax return this year? / Apakah kaedah yang digunakan untuk memfailkan penyata cukai pendapatan anda pada tahun ini?

Manual/ Manual

E-Filing/E-filing

9) Which method did you use to file your income tax return last year? / Apakah kaedah yang telah anda gunakan untuk memfailkan penyata cukai pendapatan anda pada tahun lepas?

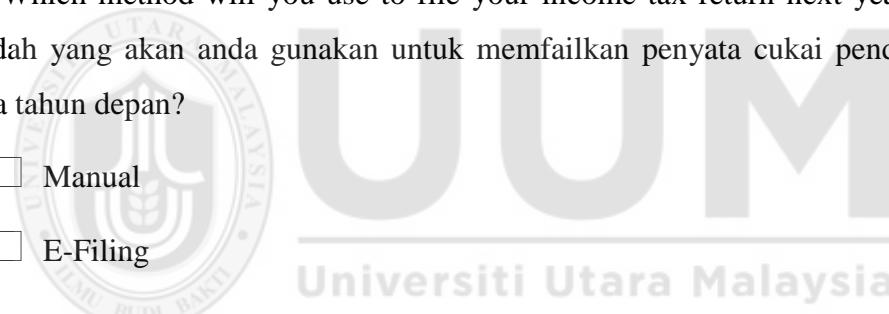
Manual/ Manual

E-Filing/ E-filing

10) Which method will you use to file your income tax return next year? / Apakah kaedah yang akan anda gunakan untuk memfailkan penyata cukai pendapatan anda pada tahun depan?

Manual

E-Filing



**SECTION C**  
**BAHAGIAN C**

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

<b>Strongly Disagree/ Sangat Tidak Setuju</b>	<b>Disagree/ Tidak Setuju</b>	<b>Neutral/ Berkecuali</b>	<b>Agree/ Setuju</b>	<b>Strongly Agree/ Sangat Setuju</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
1. Using the e-filing system by IRBM enables me to accomplish my tax filing task more quickly. <i>Dengan menggunakan sistem e-Filing IRBM, saya boleh menyelesaikan tugas pemfailan cukai saya dengan lebih cepat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
2. Using the e-filing system by IRBM improves my performance in managing my taxes task. <i>Dengan menggunakan sistem e-Filing IRBM, pelaksanaan pengurusan cukai saya bertambah baik.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
3. Using the e-filing system by IRBM enhances my effectiveness in filing my taxes. <i>Dengan menggunakan sistem e-Filing IRBM, saya menjadi lebih cekap dalam memfailkan cukai saya.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
4. Using the e-filing system by IRBM increases my productivity in preparing my taxes. <i>Dengan menggunakan sistem e-Filing IRBM, produktiviti saya dalam menyediakan cukai saya meningkat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
5. Using the e-filing system by IRBM makes my taxes filing easier. <i>Dengan menggunakan sistem e-Filing IRBM, pemfailan cukai saya menjadi lebih mudah</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
6. I find that the e-filing system by IRBM is useful in filing my taxes. <i>Saya mendapati bahawa sistem e-Filing LHDNM berguna dalam memfailkan cukai saya.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

**SECTION D**  
**BAHAGIAN D**

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

<b>Strongly Disagree/ Sangat Tidak Setuju</b>	<b>Disagree/ Tidak Setuju</b>	<b>Neutral/ Berkecuali</b>	<b>Agree/ Setuju</b>	<b>Strongly Agree/ Sangat Setuju</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
1. I trust the e-filing system by IRBM. <i>Saya percaya sistem e-Filing LHDNM.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
2. The e-filing system by IRBM is a reliable mean to carry out transactions. <i>Sistem e-Filing LHDNM boleh dipercayai untuk menjalankan urus niaga.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
3. The e-filing system by IRBM is trustworthy. <i>Sistem e-Filing LHDNM boleh dipercayai.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
4. I believe that transaction through the e-filing system by IRBM proceed securely. <i>Saya percaya urus niaga dibuat menggunakan e-Filing LHDNM berjalan lancar dengan selamat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
5. I believe that my personal information kept confidential while using the e-filing system by IRBM. <i>Saya percaya maklumat peribadi saya disimpan sebagai sulit semasa menggunakan sistem e-Filing LHDNM.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

## SECTION E BAHAGIAN E

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

<b>Strongly Disagree/ Sangat Tidak Setuju</b>	<b>Disagree/ Tidak Setuju</b>	<b>Neutral/ Berkecuali</b>	<b>Agree/ Setuju</b>	<b>Strongly Agree/ Sangat Setuju</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
1. The e-filing system by IRBM is easy to use. <i>Sistem e-Filing LHDNM adalah mudah untuk digunakan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
2. The e-filing system by IRBM is user friendly. <i>Sistem e-Filing LHDNM adalah mesra pengguna.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
3. The e-filing system provides necessary information and forms to be downloaded. <i>Sistem e-Filing LHDNM menyediakan maklumat dan borang yang diperlukan untuk dimuat turun.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
4. The e-filing system provides helpful instruction for performing my task. <i>Sistem e-Filing LHDNM menyediakan suruhan yang berguna untuk melaksanakan tugas saya</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
5. I believe that the e-filing system by IRBM is cumbersome to use. <i>Saya percaya sistem e-Filing LHDNM rumit untuk digunakan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
6. Using the e-filing system by IRBM requires a lot of effort. <i>Penggunaan sistem e-Filing LHDNM memerlukan usaha yang banyak.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
7. The e-filing system by IRBM is often frustrating. <i>Sistem e-Filing LHDNM sering mengecewakan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

8.	The e-filing system by IRBM provides fast information access. <i>Sistem e-Filing LHDNM memberikan akses maklumat dengan cepat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
9.	It only takes few clicks to locate information. <i>Dengan beberapa klik sahaja untuk mencari maklumat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
10.	It is easy to navigate within the e-filing system by IRBM. <i>Adalah mudah untuk mengawal arah dalam sistem e-Filing LHDNM.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

## SECTION F BAHAGIAN F

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

Strongly Disagree/ Sangat Tidak Setuju	Disagree/ Tidak Setuju	Neutral/ Berkecuali	Agree/ Setuju	Strongly Agree/ Sangat Setuju	
1	2	3	4	5	
1. The e-filing system by IRBM provides sufficient information to accomplish task at hand. <i>Sistem e-Filing LHDNM menyediakan maklumat yang mencukupi untuk menyelesaikan tugas yang sedang dilakukan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
2. Through the e-filing system by IRBM, I get the information I need in time. <i>Melalui sistem e-Filing LHDNM, saya memperoleh maklumat pada masa yang diperlukan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
3. Information provided by the e-filing system by IRBM meets my needs. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM memenuhi keperluan saya.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

4.	Information provided by the e-filing system by IRBM is in a useful format. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM adalah dalam format yang berguna.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
5.	Information provided by the e-filing system by IRBM is clear. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM adalah jelas.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
6.	Information provided by the e-filing system by IRBM is accurate. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM adalah tepat.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
7.	Information provided by the e-filing system by IRBM is up-to-date. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM adalah terkini.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
8.	Information provided by the e-filing system by IRBM is reliable. <i>Maklumat yang diberikan oleh sistem e-Filing LHDNM boleh dipercayai.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
9.	The e-filing system by IRBM maintains data at an appropriate level of detail for my purpose. <i>Sistem e-Filing LHDNM mengekalkan data terperinci yang sesuai untuk tujuan saya.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

## SECTION G BAHAGIAN G

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

Strongly Disagree/ Sangat Tidak Setuju	Disagree/ Tidak Setuju	Neutral/ Berkecuali	Agree/ Setuju	Strongly Agree/ Sangat Setuju	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
1. My experience with using the e-filing system by IRBM was better than what I expected. <i>Pengalaman saya menggunakan e-Filing LHDNM adalah lebih baik daripada yang saya jangkakan.</i>	<input type="checkbox"/> <span style="font-size: small;">1</span>	<input type="checkbox"/> <span style="font-size: small;">2</span>	<input type="checkbox"/> <span style="font-size: small;">3</span>	<input type="checkbox"/> <span style="font-size: small;">4</span>	<input type="checkbox"/> <span style="font-size: small;">5</span>
2. The service level provided by the e-filing system by IRBM was better than what I expected. <i>Tahap perkhidmatan yang diberikan oleh sistem e-Filing LHDNM adalah lebih baik dari yang saya jangkakan.</i>	<input type="checkbox"/> <span style="font-size: small;">1</span>	<input type="checkbox"/> <span style="font-size: small;">2</span>	<input type="checkbox"/> <span style="font-size: small;">3</span>	<input type="checkbox"/> <span style="font-size: small;">4</span>	<input type="checkbox"/> <span style="font-size: small;">5</span>
3. Overall, most of my expectation from using the e-filing system by IRBM was confirmed. <i>Secara keseluruhan, sebahagian besar dari jangkaan saya daripada menggunakan sistem e-Filing LHDNM telah disahkan.</i>	<input type="checkbox"/> <span style="font-size: small;">1</span>	<input type="checkbox"/> <span style="font-size: small;">2</span>	<input type="checkbox"/> <span style="font-size: small;">3</span>	<input type="checkbox"/> <span style="font-size: small;">4</span>	<input type="checkbox"/> <span style="font-size: small;">5</span>

## SECTION H BAHAGIAN H

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

Strongly Disagree/ Sangat Tidak Setuju	Disagree/ Tidak Setuju	Neutral/ Berkecuali	Agree/ Setuju	Strongly Agree/ Sangat Setuju
1	2	3	4	5
1. My overall experience of the e-filing system by IRBM was very satisfied. <i>Keseluruhan pengalaman saya dengan sistem e-Filing LHDNM amat memuaskan.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. My overall experience of the e-filing system by IRBM was very pleased <i>Keseluruhan pengalaman saya dengan sistem e-Filing LHDNM amat menyenangkan.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. My overall experience of the e-filing system by IRBM was very contented. <i>Keseluruhan pengalaman saya dengan sistem e-Filing LHDNM memberikan kepuasan.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. My overall experience of the e-filing system by IRBM was absolutely delighted. <i>Berdasarkan pengalaman, sistem e-Filing LHDNM amat menggembirakan saya.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SECTION I BAHAGIAN I

Please read each of the following items and tick (/) appropriately in the box that best explains your opinion.

*Sila baca setiap satu daripada perkara-perkara berikut dan tandakan (/) dalam kotak yang menjelaskan pendapat anda.*

Strongly Disagree/ Sangat Tidak Setuju	Disagree/ Tidak Setuju	Neutral/ Berkecuali	Agree/ Setuju	Strongly Agree/ Sangat Setuju	
1	2	3	4	5	
1. I intend to continue using the e-filing system by IRBM rather than discontinue its use. <i>Saya bercadang untuk terus menggunakan sistem e-Filing LHDNM daripada berhenti menggunakanannya.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
2. My intention is to continue using the e-filing system by IRBM than use any alternative means (manual tax filing). <i>Niat saya adalah untuk terus menggunakan sistem e-Filing LHDNM daripada menggunakan alternatif yang lain (pemfailan cukai secara manual)</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
3. If I could, I would like to continue using the e-filing system by IRBM as much as possible. <i>Jika boleh, saya mahu terus menggunakan sistem e-Filing LHDNM sebanyak mungkin</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
4. I will use the e-filing system by IRBM in the future. <i>Saya akan menggunakan sistem e-Filing LHDNM pada masa hadapan.</i>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

THANK YOU

TERIMA KASIH

I sincerely appreciate your time and cooperation.

*Saya amat menghargai masa dan kerjasama anda.*

## APPENDIX TWO

### Non-response Bias

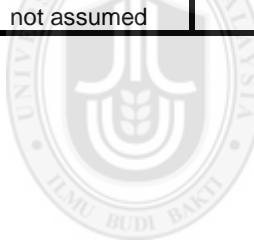
**Group Statistics**

	RESPO	N	Mean	Std. Deviation	Std. Error Mean
PU	Early Response	249	3.8313	.83071	.05264
	Late Response	176	3.8636	.74559	.05620
TR	Early Response	249	3.6048	.76029	.04818
	Late Response	176	3.6034	.66194	.04990
PIQ	Early Response	249	3.7309	.79877	.05062
	Late Response	176	3.6995	.78147	.05891
PSQ	Early Response	249	3.6783	.58414	.03702
	Late Response	176	3.7358	.62383	.04702
CONF	Early Response	249	3.4993	.68203	.04322
	Late Response	176	3.5436	.67565	.05093
SAT	Early Response	249	3.6837	.60835	.03855
	Late Response	176	3.7216	.59813	.04509
CI	Early Response	249	3.8122	.77716	.04925
	Late Response	176	3.7983	.73955	.05575

**Universiti Utara Malaysia**  
**Independent Samples Test**

	Levene's Test for Equality of Variances		t-test for Equality of Means								
			F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
										Lower	Upper
PU	Equal variances assumed		2.043	.154	-.412	423	.681	-.03231	.07845	-.18651	.12188
	Equal variances not assumed				-.420	399.691	.675	-.03231	.07701	-.18370	.11908
TR	Equal variances assumed		1.422	.234	.020	423	.984	.00141	.07103	-.13820	.14102
	Equal variances not assumed				.020	405.023	.984	.00141	.06936	-.13494	.13776

PIQ	Equal variances assumed		.254	.614	.403	423	.687	.03143	.07796	-.12181	.18467
	Equal variances not assumed				.405	381. 926	.686	.03143	.07767	-.12128	.18414
PS Q	Equal variances assumed		.809	.369	-.971	423	.332	-.05748	.05917	-.17379	.05883
	Equal variances not assumed				-.961	361. 224	.337	-.05748	.05985	-.17517	.06021
CO NF	Equal variances assumed		.456	.500	-.661	423	.509	-.04423	.06691	-.17574	.08728
	Equal variances not assumed				-.662	379. 096	.508	-.04423	.06680	-.17557	.08711
SA T	Equal variances assumed		.036	.849	-.636	423	.525	-.03786	.05949	-.15480	.07909
	Equal variances not assumed				-.638	380. 810	.524	-.03786	.05932	-.15449	.07878
CI	Equal variances assumed		.208	.649	.186	423	.853	.01395	.07502	-.13351	.16142
	Equal variances not assumed				.188	388. 000	.851	.01395	.07439	-.13230	.16020



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## APPENDIX THREE

### Missing Value

**Result Variables**

	Result Variable	N of Replaced Missing Values	Case Number of Non-Missing Values		N of Valid Cases	Creating Function
			First	Last		
1	TR2_1	1	1	458	458	SMEAN(TR2)
2	TR3_1	1	1	458	458	SMEAN(TR3)
3	TR4_1	1	1	458	458	SMEAN(TR4)
4	PSQ2_1	1	1	458	458	SMEAN(PSQ2)
5	PSQ6_1	1	1	458	458	SMEAN(PSQ6)
6	PSQ7_1	1	1	458	458	SMEAN(PSQ7)
7	PSQ8_1	1	1	458	458	SMEAN(PSQ8)
8	PIQ1_1	1	1	458	458	SMEAN(PIQ1)
9	PIQ3_1	1	1	458	458	SMEAN(PIQ3)
10	PIQ5_1	1	1	458	458	SMEAN(PIQ5)
11	PIQ7_1	1	1	458	458	SMEAN(PIQ7)
12	Conf2_1	1	1	458	458	SMEAN(Conf2)
13	Sat1_1	1	1	458	458	SMEAN(Sat1)
14	Sat2_1	1	1	458	458	SMEAN(Sat2)
15	CI1_1	1	1	458	458	SMEAN(CI1)
16	CI2_1	1	1	458	458	SMEAN(CI2)
17	CI4_1	1	1	458	458	SMEAN(CI4)

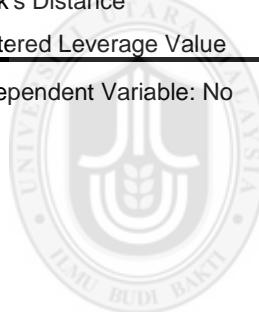
## APPENDIX FOUR

### Outlier

Residuals Statistics<sup>a</sup>

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	19.31	426.01	229.50	61.671	458
Std. Predicted Value	-3.408	3.186	.000	1.000	458
Standard Error of Predicted Value	13.297	64.043	36.049	9.075	458
Adjusted Predicted Value	16.03	431.61	230.31	63.113	458
Residual	-281.979	255.800	.000	117.112	458
Std. Residual	-2.297	2.084	.000	.954	458
Stud. Residual	-2.387	2.150	-.003	1.002	458
Deleted Residual	-304.543	286.255	-.812	129.263	458
Stud. Deleted Residual	-2.401	2.160	-.003	1.003	458
Mahal. Distance	4.365	123.406	40.910	20.807	458
Cook's Distance	.000	.025	.003	.003	458
Centered Leverage Value	.010	.270	.090	.046	458

a. Dependent Variable: No



Universiti Utara Malaysia

## APPENDIX FIVE

### Skewness and Kurtosis

**Descriptive Statistics**

	N	Skewness		Kurtosis	
		Statistic	Statistic	Std. Error	Statistic
PU1	425	-.763	.118	.214	.236
PU2	425	-.566	.118	-.026	.236
PU3	425	-.570	.118	.039	.236
PU4	425	-.265	.118	-.327	.236
PU5	425	-.560	.118	.045	.236
PU6	425	-.899	.118	.749	.236
TR1	425	-.505	.118	.849	.236
TR2	425	-.269	.118	-.038	.236
TR3	425	.002	.118	-.258	.236
TR4	425	-.198	.118	-.092	.236
TR5	425	-.488	.118	.385	.236
PSQ1	425	-.579	.118	.118	.236
PSQ2	425	-.555	.118	-.066	.236
PSQ3	425	-.634	.118	.158	.236
PSQ4	425	-.535	.118	-.215	.236
PSQ5	425	-.554	.118	.187	.236
PSQ6	425	-.570	.118	-.071	.236
PSQ7	425	-.504	.118	-.160	.236
PSQ8	425	-.489	.118	-.188	.236
PSQ9	425	-.514	.118	-.149	.236
PSQ10	425	-.407	.118	-.375	.236
PIQ1	425	-.077	.118	-.328	.236
PIQ2	425	-.150	.118	-.236	.236
PIQ3	425	-.181	.118	-.251	.236
PIQ4	425	-.246	.118	-.134	.236
PIQ5	425	-.374	.118	-.104	.236
PIQ6	425	-.185	.118	-.323	.236
PIQ7	425	-.114	.118	-.386	.236
PIQ8	425	-.197	.118	-.255	.236
PIQ9	425	-.313	.118	.011	.236
Conf1	425	-.402	.118	.644	.236
Conf2	425	-.169	.118	.213	.236
Conf3	425	-.699	.118	.813	.236
Sat1	425	-.072	.118	-.344	.236
Sat2	425	.045	.118	-.098	.236

Sat3	425	.042	.118	-.137	.236
Sat4	425	.130	.118	-.239	.236
CI1	425	-.727	.118	1.094	.236
CI2	425	-.434	.118	.184	.236
CI3	425	-.651	.118	.615	.236
CI4	425	-.908	.118	1.287	.236
Valid N (listwise)	425				



## APPENDIX SIX

### Multicollinearity

Model	Coefficients <sup>a</sup>							
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics		
	B	Std. Error	Beta			Tolerance	VIF	
1 (Constant)	-.056	.185		-.304	.761			
PU	.290	.039	.303	7.494	.000	.551	1.813	
TR	.141	.048	.133	2.924	.004	.434	2.304	
PSQ	-.006	.029	-.006	-.195	.845	.967	1.034	
PIQ	.150	.050	.128	2.972	.003	.489	2.045	
CONF	.253	.051	.226	4.946	.000	.432	2.315	
SAT	.221	.054	.175	4.095	.000	.493	2.027	

a. Dependent Variable: CI



## APPENDIX SEVEN

### Correlation

		Correlations						
		CI	PU	TR	PSQ	PIQ	CONF	SAT
Pearson Correlation	CI	1.000	.660	.646	.027	.608	.673	.617
	PU	.660	1.000	.622	-.017	.508	.565	.467
	TR	.646	.622	1.000	.088	.584	.643	.599
	PSQ	.027	-.017	.088	1.000	.116	.011	.055
	PIQ	.608	.508	.584	.116	1.000	.627	.614
	CONF	.673	.565	.643	.011	.627	1.000	.630
	SAT	.617	.467	.599	.055	.614	.630	1.000
Sig. (1-tailed)	CI	.	.000	.000	.286	.000	.000	.000
	PU	.000	.	.000	.363	.000	.000	.000
	TR	.000	.000	.	.035	.000	.000	.000
	PSQ	.286	.363	.035	.	.009	.410	.129
	PIQ	.000	.000	.000	.009	.	.000	.000
	CONF	.000	.000	.000	.410	.000	.	.000
	SAT	.000	.000	.000	.129	.000	.000	.
N	CI	425	425	425	425	425	425	425
	PU	425	425	425	425	425	425	425
	TR	425	425	425	425	425	425	425
	PSQ	425	425	425	425	425	425	425
	PIQ	425	425	425	425	425	425	425
	CONF	425	425	425	425	425	425	425
	SAT	425	425	425	425	425	425	425

## APPENDIX EIGHT

### Factor analysis (EFA) Exogenous

**KMO and Bartlett's Test**

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.943
Bartlett's Test of Sphericity	11631.100
df	465
Sig.	.000

**Pattern Matrix<sup>a</sup>**

	Factor				
	1	2	3	4	5
PIQ1	.887				
PIQ5	.877				
PIQ2	.874				
PIQ7	.867				
PIQ6	.853				
PIQ4	.822				
PIQ8	.817				
PIQ3	.771				
P1Q9	.766				
PSQ3		.936			
PSQ9		.910			
PSQ6		.865			
PSQ1		.861			
PSQ5		.853			
PSQ2		.793			
PSQ7		.768			
PSQ8		.634			
PU2			.895		
PU5			.867		
PU3			.864		
PU1			.828		
PU6			.810		
PU4			.656		
TR3				.870	
TR2				.801	
TR1				.752	
TR5				.717	
TR4				.679	
Conf2					.788

Conf1					.702
Conf3					.694

Extraction Method: Maximum Likelihood.

Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 5 iterations.

**Total Variance Explained**

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings <sup>a</sup>
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	
1	11.401	36.776	36.776	11.086	35.761	35.761	6.452
2	6.607	21.313	58.090	6.323	20.398	56.159	8.995
3	2.659	8.576	66.666	2.377	7.666	63.825	7.957
4	1.505	4.856	71.522	1.206	3.891	67.717	8.057
5	1.005	3.243	74.765	.691	2.229	69.946	6.981
6	.616	1.987	76.752				
7	.573	1.847	78.599				
8	.517	1.667	80.266				
9	.471	1.520	81.786				
10	.456	1.472	83.259				
11	.420	1.355	84.614				
12	.398	1.282	85.896				
13	.373	1.204	87.100				
14	.333	1.074	88.174				
15	.319	1.030	89.204				
16	.302	.974	90.178				
17	.301	.970	91.149				
18	.280	.904	92.052				
19	.270	.870	92.922				
20	.248	.798	93.720				
21	.234	.754	94.474				
22	.222	.715	95.189				
23	.208	.672	95.861				
24	.191	.616	96.477				
25	.185	.597	97.073				
26	.175	.564	97.638				
27	.164	.528	98.166				
28	.157	.508	98.674				
29	.149	.480	99.154				

30	.145	.468	99.622			
31	.117	.378	100.000			

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



## APPENDIX NINE

### Factor Analysis (EFA) Endogenous

Pattern Matrix<sup>a</sup>

	Factor		
	1	2	3
PU2	.902		
PU5	.853		
PU1	.847		
PU3	.840		
PU6	.837		
PU4	.637		
Sat1		.799	
Sat2		.788	
Sat4		.784	
Sat3		.763	
CI4			.965
CI3			.849
CI2			.787
CI1			.684

Extraction Method: Maximum Likelihood.

Rotation Method: Promax with Kaiser

Normalization.

a. Rotation converged in 5 iterations.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.922
Bartlett's Test of Sphericity	Approx. Chi-Square	4791.189
	df	91
	Sig.	.000

**Total Variance Explained**

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings <sup>a</sup>
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	
1	7.741	55.294	55.294	7.415	52.964	52.964	6.310
2	1.875	13.395	68.689	1.484	10.603	63.566	5.016
3	1.016	7.254	75.943	.839	5.994	69.560	6.084
4	.615	4.391	80.333				
5	.559	3.994	84.327				
6	.395	2.820	87.147				
7	.307	2.192	89.339				
8	.289	2.066	91.405				
9	.254	1.817	93.221				
10	.222	1.585	94.806				
11	.208	1.484	96.290				
12	.185	1.322	97.612				
13	.183	1.307	98.919				
14	.151	1.081	100.000				

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.

## APPENDIX TEN

### Factor analysis Full

**KMO and Bartlett's Test**

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.950
Bartlett's Test of Sphericity	Approx. Chi-Square	14722.061
	df	741
	Sig.	.000

**Pattern Matrix<sup>a</sup>**

	Factor						
	1	2	3	4	5	6	7
PSQ3	.936						
PSQ9	.922						
PSQ6	.874						
PSQ5	.867						
PSQ1	.848						
PSQ2	.794						
PSQ7	.764						
PSQ8	.600						
PIQ1		.887					
PIQ5		.876					
PIQ2		.874					
PIQ7		.866					
PIQ6		.854					
PIQ4		.823					
PIQ8		.817					
PIQ3		.772					
P1Q9		.766					
PU2			.888				
PU5			.874				
PU3			.843				
PU1			.832				
PU6			.831				
PU4			.657				
TR3				.879			
TR2				.787			
TR1				.769			
TR5				.707			
TR4				.665			

Sat2					.836		
Sat1					.765		
Sat3					.696		
Sat4					.682		
CI4						.924	
CI3						.823	
CI2						.784	
CI1						.642	
Conf2							.762
Conf1							.721
Conf3							.674

Extraction Method: Maximum Likelihood.

Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

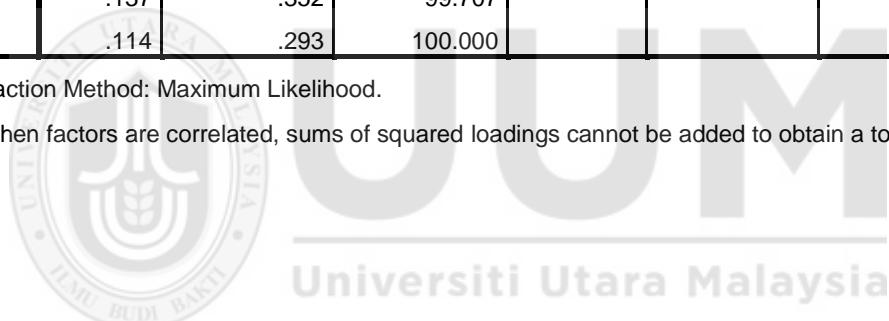
Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings <sup>a</sup>
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	
1	15.049	38.587	38.587	14.721	37.745	37.745	11.239
2	6.655	17.063	55.650	6.372	16.340	54.085	6.479
3	2.748	7.047	62.697	2.462	6.314	60.399	10.124
4	1.747	4.479	67.176	1.399	3.588	63.986	10.511
5	1.291	3.311	70.487	1.010	2.589	66.576	9.517
6	1.053	2.700	73.187	.787	2.018	68.593	10.575
7	.887	2.274	75.461	.595	1.526	70.119	9.774
8	.646	1.655	77.117				
9	.589	1.511	78.628				
10	.574	1.472	80.101				
11	.515	1.320	81.421				
12	.465	1.193	82.614				
13	.462	1.185	83.799				
14	.430	1.102	84.901				
15	.409	1.049	85.950				
16	.391	1.001	86.951				
17	.373	.957	87.908				
18	.346	.887	88.795				
19	.318	.814	89.610				
20	.303	.777	90.387				

21	.301	.771	91.157			
22	.275	.705	91.862			
23	.261	.669	92.532			
24	.253	.648	93.180			
25	.237	.608	93.789			
26	.235	.602	94.390			
27	.215	.552	94.943			
28	.212	.543	95.485			
29	.196	.502	95.987			
30	.187	.479	96.466			
31	.183	.470	96.937			
32	.175	.449	97.385			
33	.167	.428	97.814			
34	.160	.411	98.225			
35	.159	.407	98.631			
36	.143	.367	98.998			
37	.139	.357	99.355			
38	.137	.352	99.707			
39	.114	.293	100.000			

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.

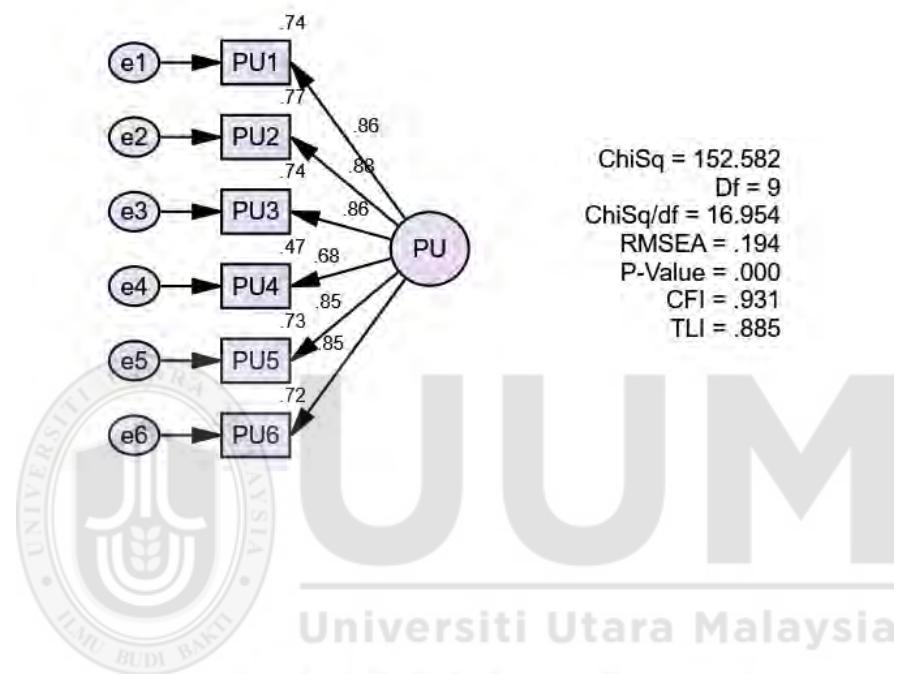


## APPENDIX ELEVEN

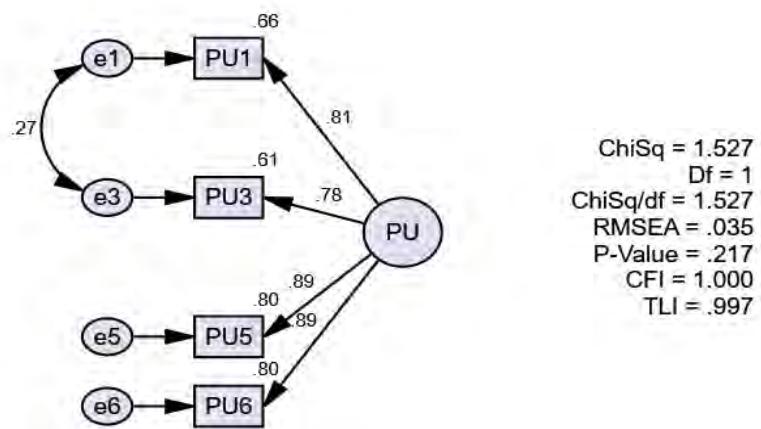
### Individual CFA results

PU

CFA PERCEIVED USEFULNESS

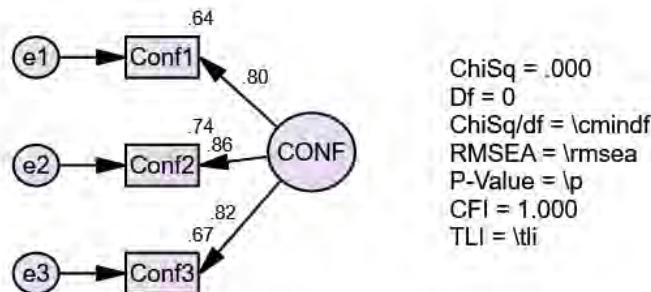


CFA PERCEIVED USEFULNESS



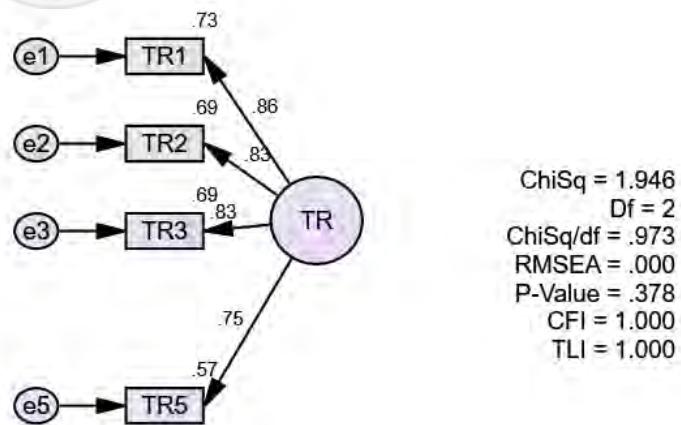
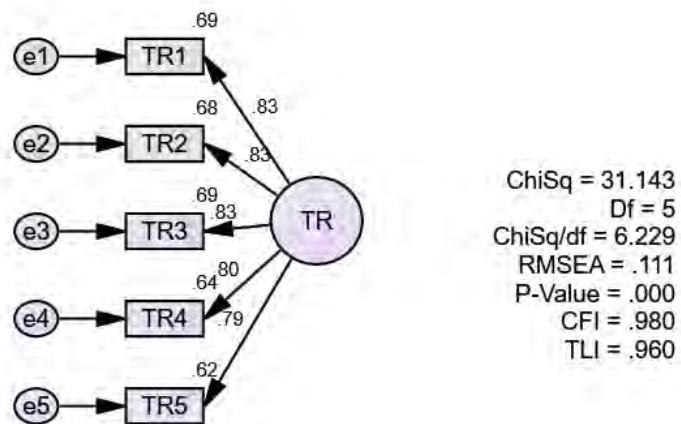
## Confirmation

### CFA CONFIRMATION



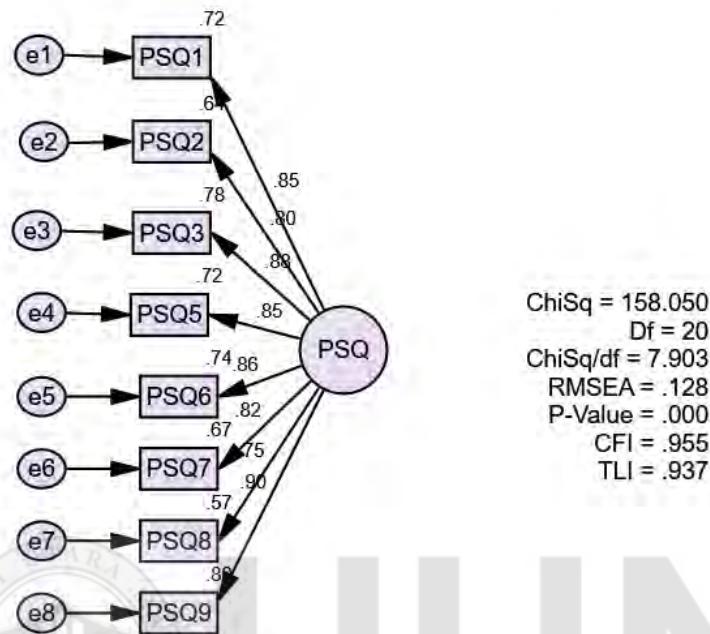
## Trust

CFA TRUST

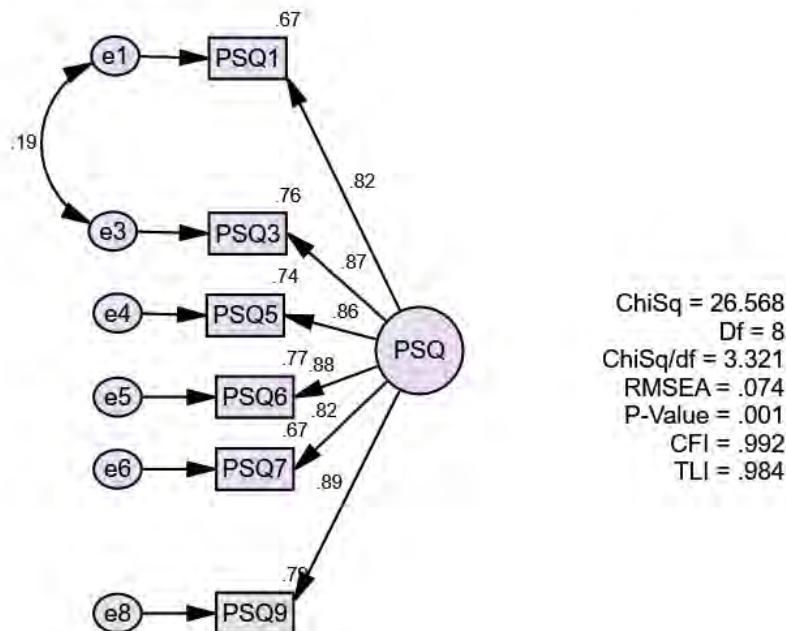


## Perceived System Quality

CFA PERCEIVED SYSTEM QUALITY

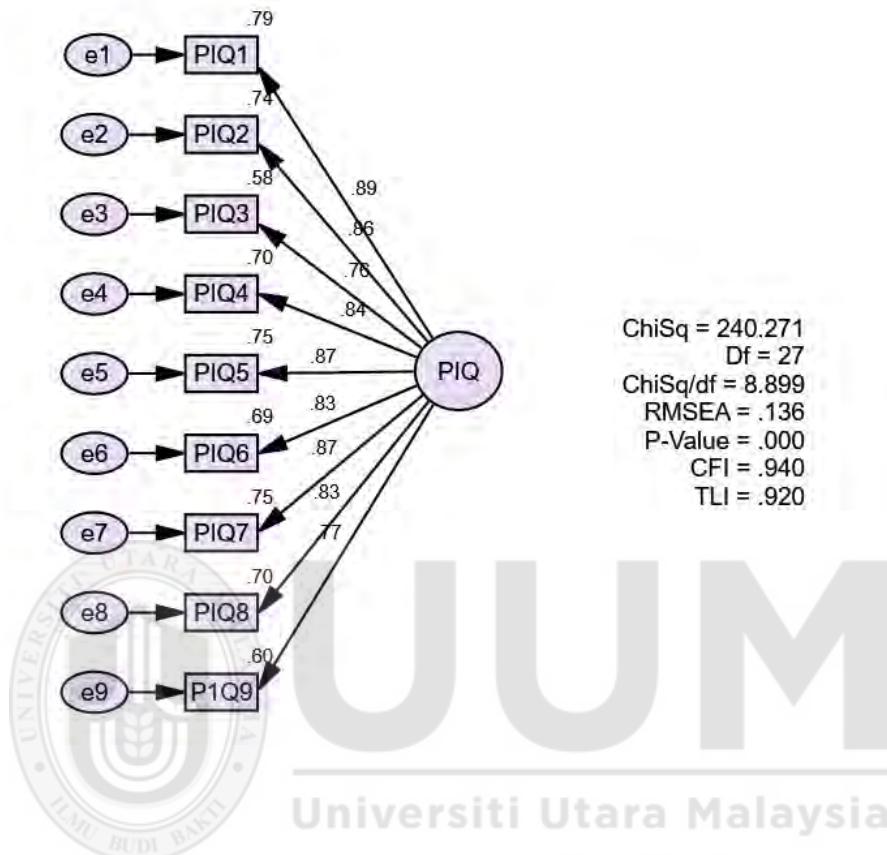


CFA PERCEIVED SYSTEM QUALITY

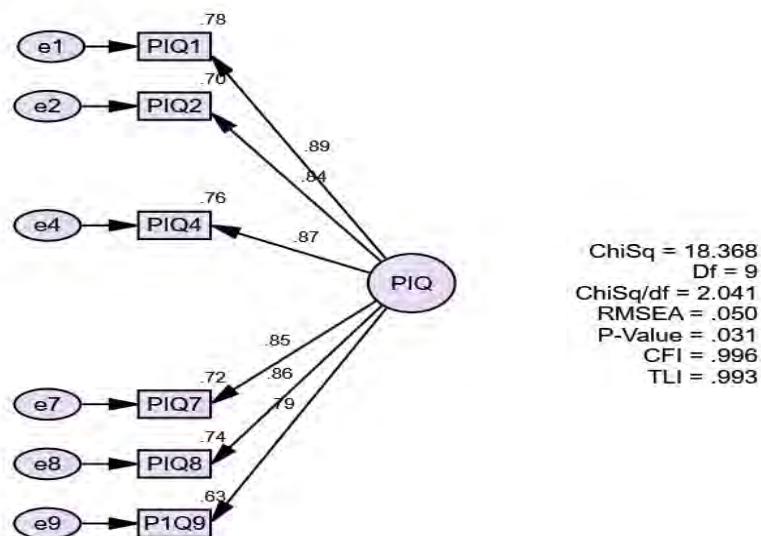


## Perceived Information Quality

CFA PERCEIVED INFORMATION QUALITY

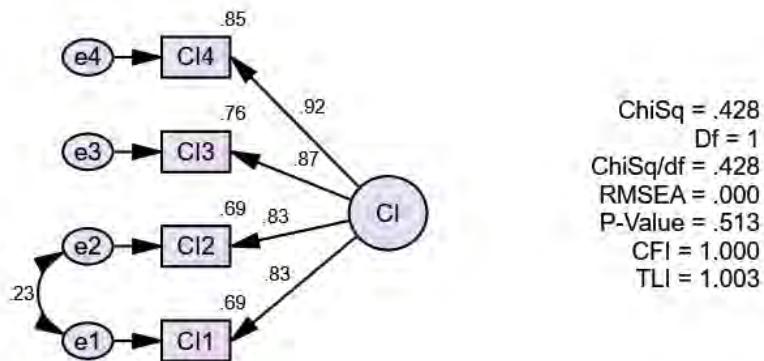
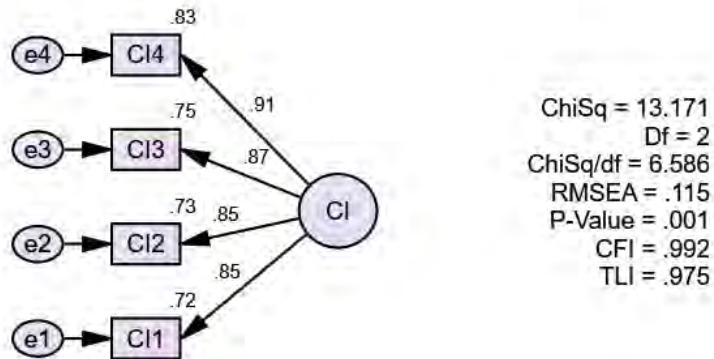


CFA PERCEIVED INFORMATION QUALITY



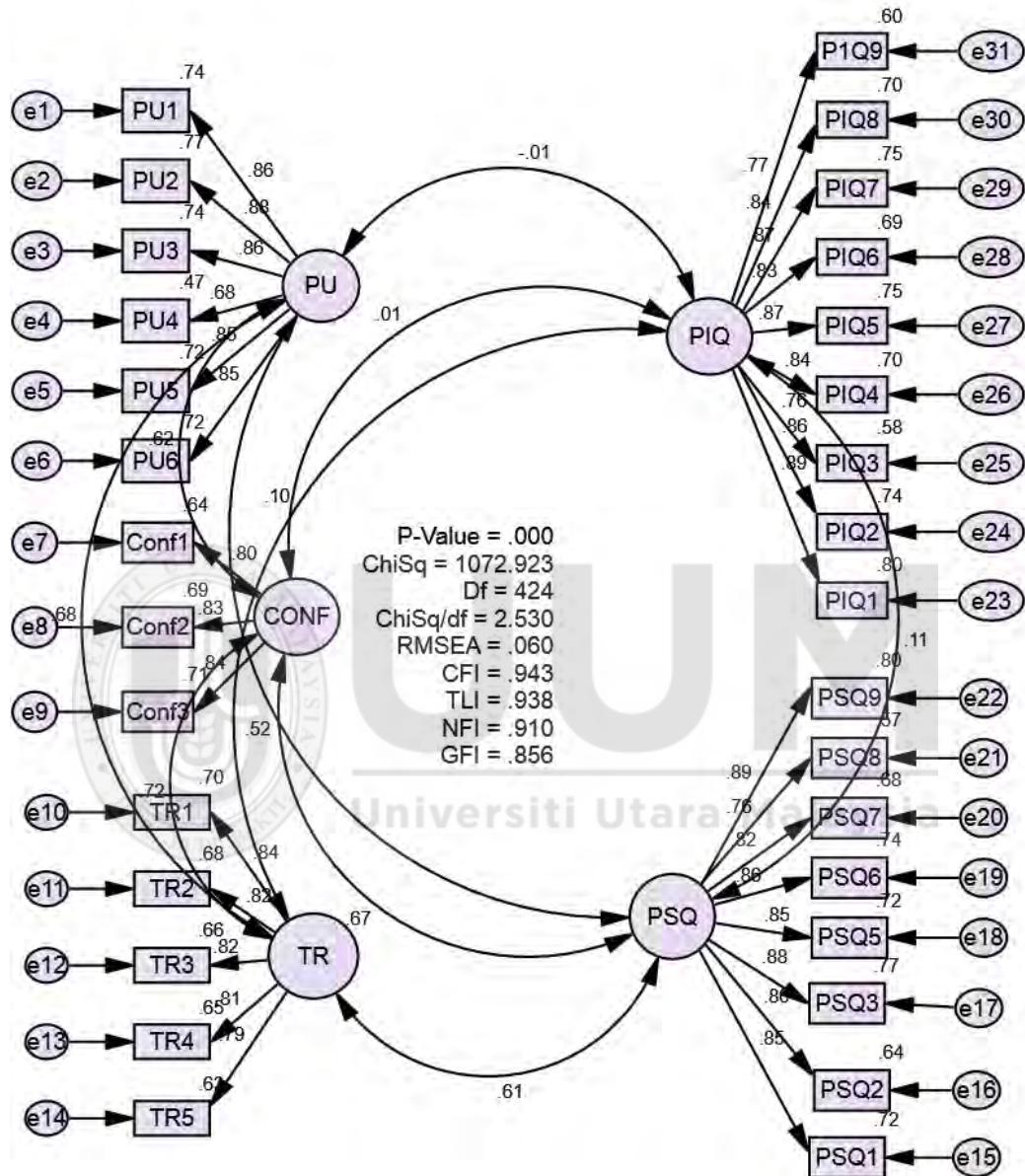
## Continuance intention

CFA CONTINUANCE INTENTION

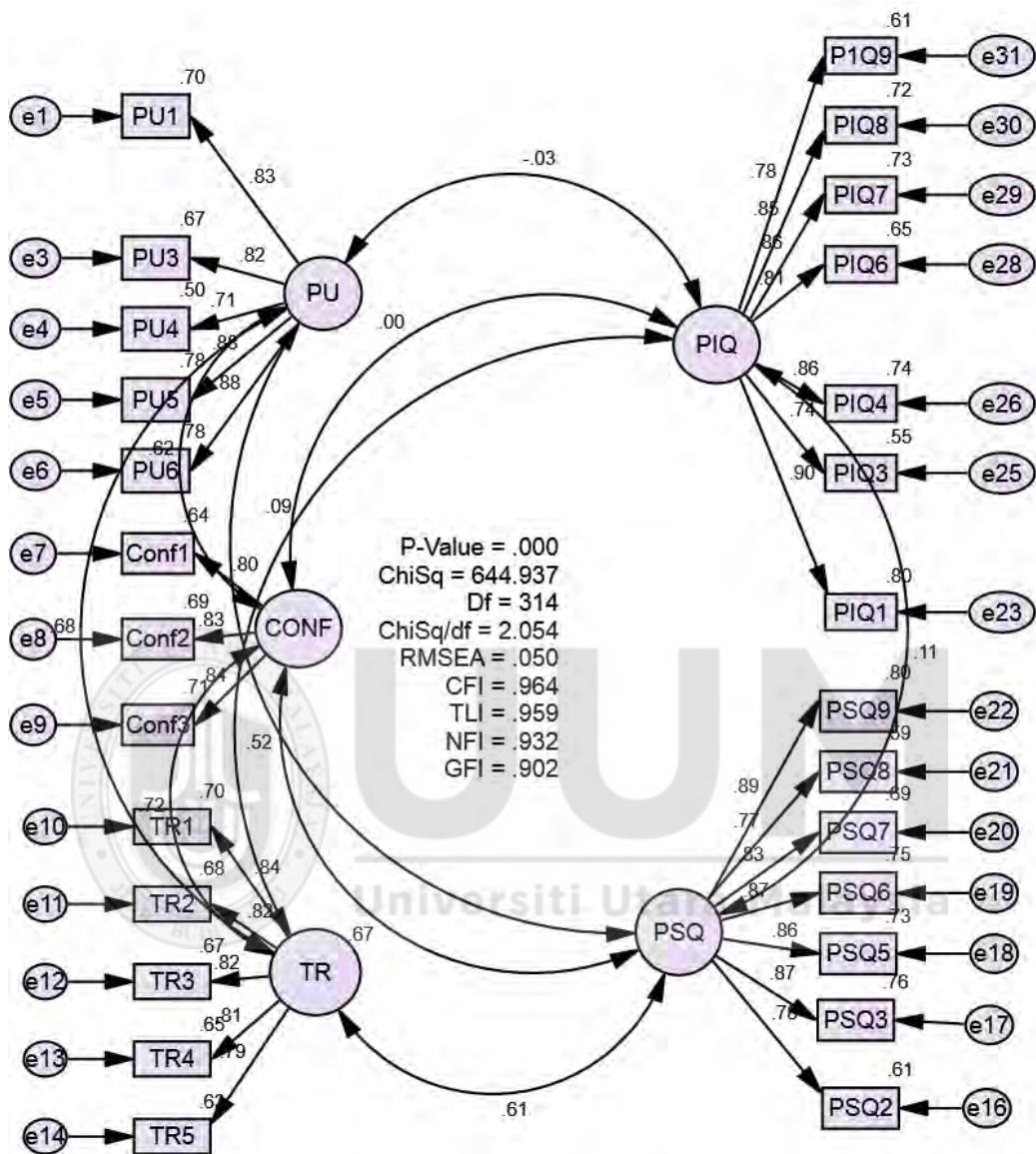


## CFA Exogenous

CFA EXOGENEOUS VARIABLES

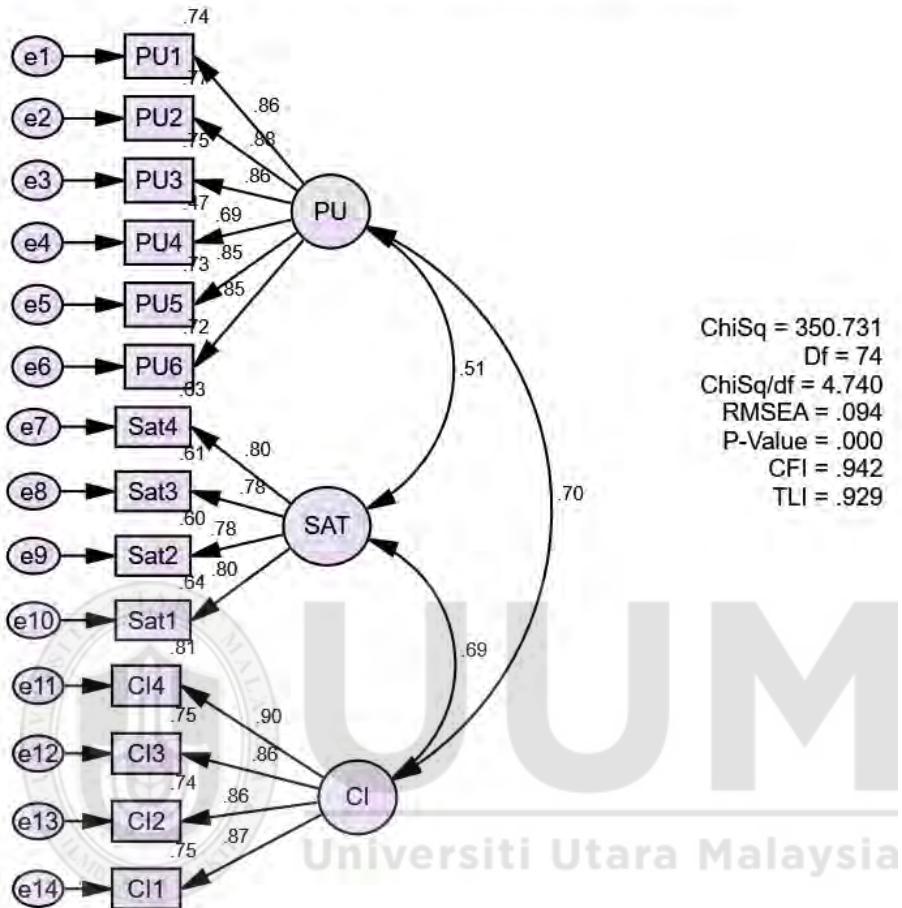


### CFA EXOGENEOUS VARIABLES

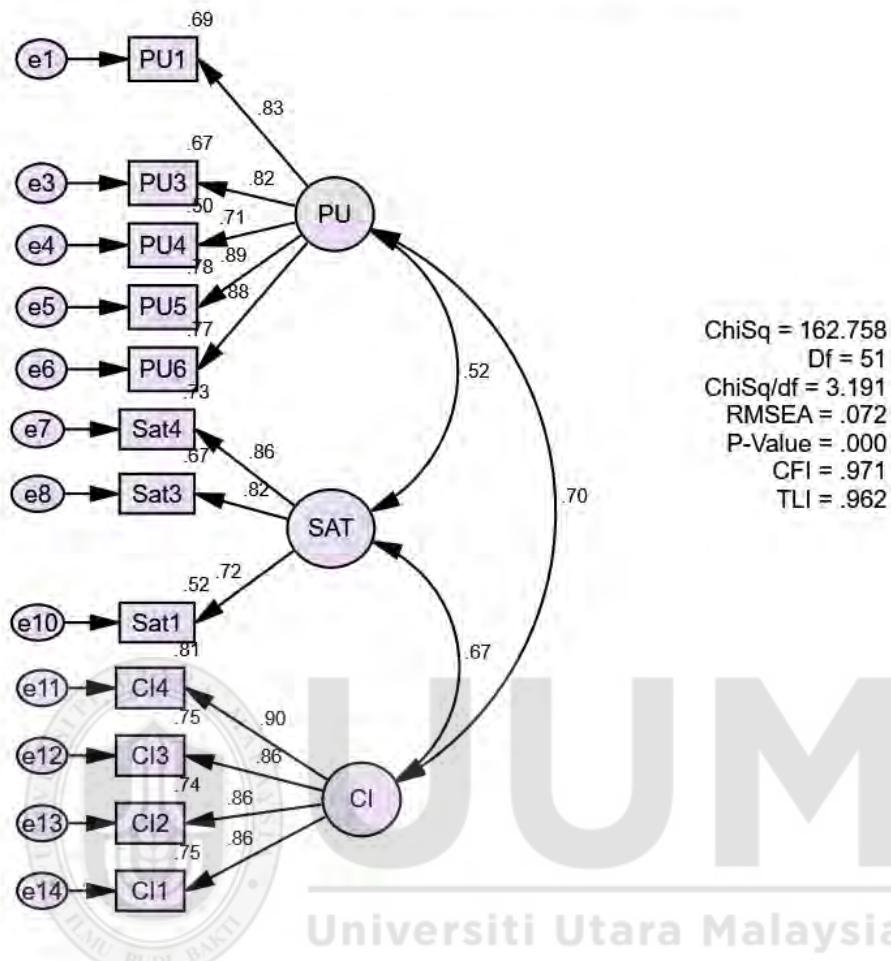


## CFA Endogenous

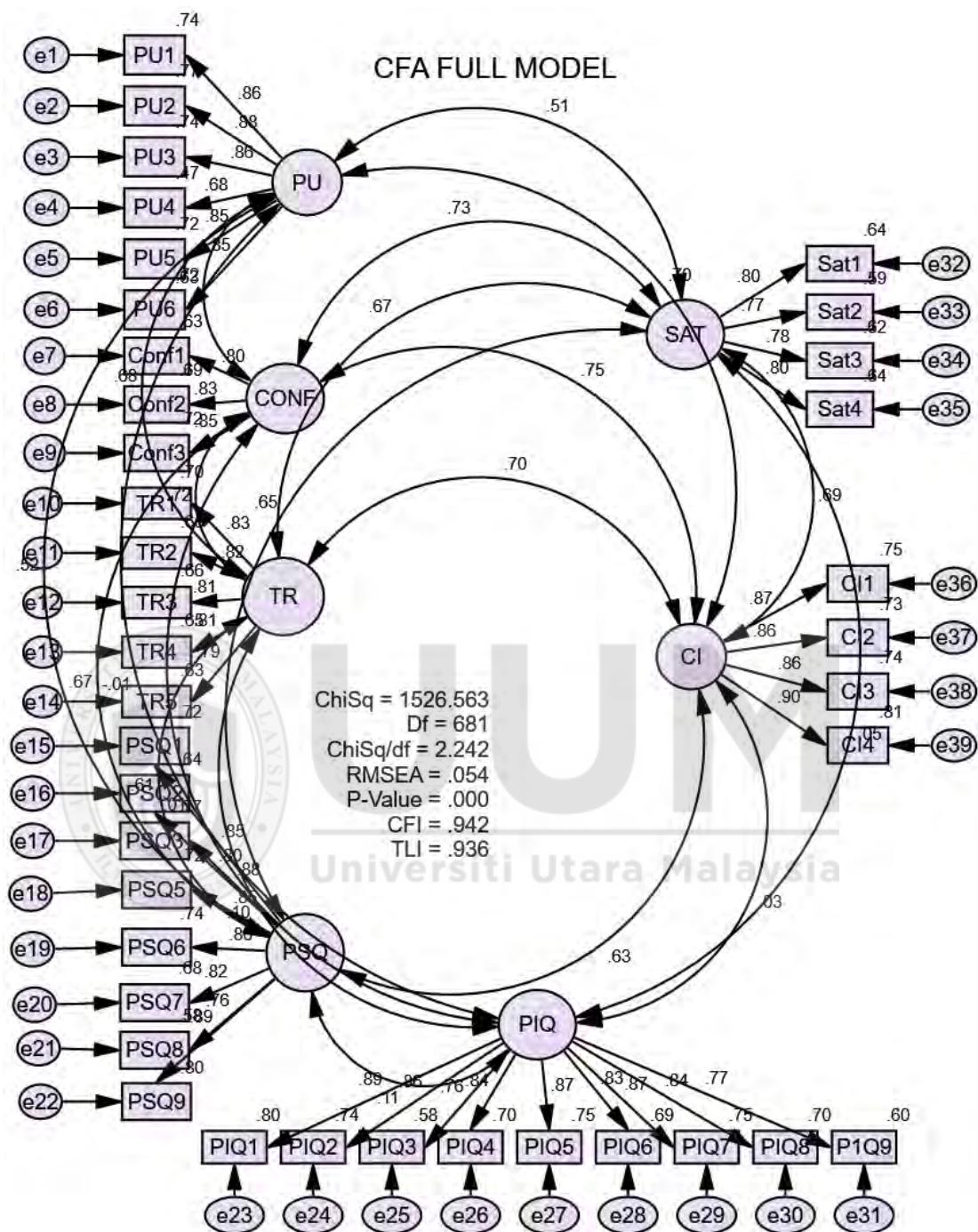
CFA ENDOGENOUS VARIABLE



### CFA ENDOGENOUS VARIABLE

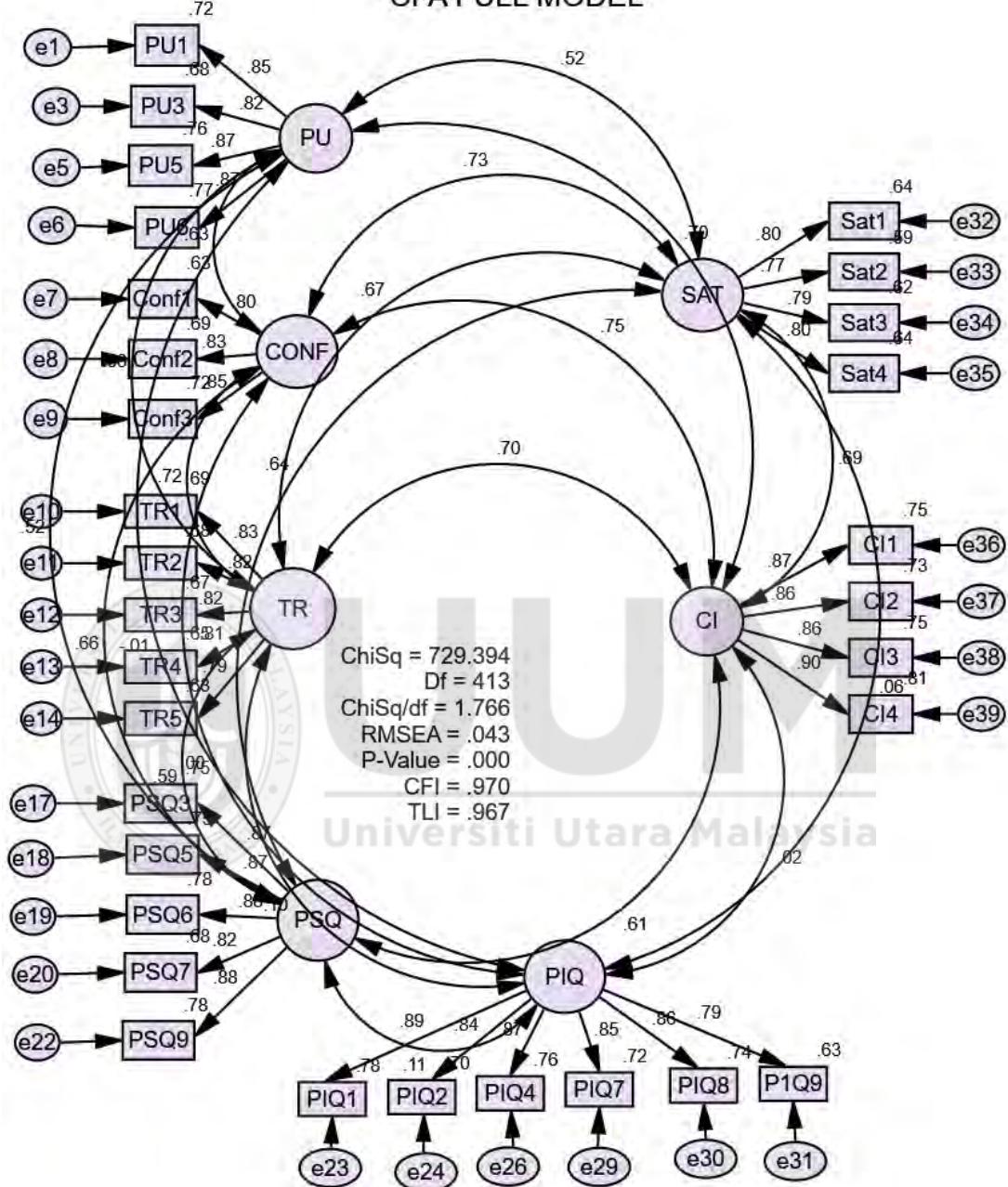


### CFA Full Model



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### CFA FULL MODEL



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## **APPENDIX TWELVE**

### **Generated Model Output**

#### **Result of Generated Model**

**Regression Weights: (Group number 1 - Default model)**

			Estimate	S.E.	C.R.	P	Label
PU	<---	CONF	.737	.059	12.453	***	par_27
SAT	<---	PU	-.027	.039	-.681	.496	par_28
SAT	<---	CONF	.338	.053	6.360	***	par_30
SAT	<---	TR	.227	.048	4.718	***	par_31
SAT	<---	PSQ	.212	.042	5.031	***	par_34
SAT	<---	PIQ	.007	.029	.251	.802	par_35
CI	<---	PSQ	.131	.046	2.857	.004	par_25
CI	<---	PIQ	-.014	.030	-.468	.640	par_26
CI	<---	PU	.313	.039	8.014	***	par_29
CI	<---	SAT	.395	.069	5.731	***	par_32
CI	<---	TR	.164	.053	3.118	.002	par_33