

# Survey on the "Acceptance of Electronic Tax Filing by Malaysian Taxpayers"

Dear Sir / Madam,

We are inviting you to participate in this study titled "Acceptance of Electronic Tax Filing by Malaysian Taxpayers. The purpose of this study is to explore the factors affecting Malaysian taxpayers' intentions to adopt e-filing. Through better understanding of the public perceptions of e-filing, the Inland Revenue Board (IRB) could help to improve the perception of Malaysian people towards e-government services generally and e-filing specifically.

This project is conducted as part of a research project, which shall be submitted in partial fulfillment of the requirements for my degree Master of Business Administration (MBA) from University Malaya. The questionnaire is easy to answer and it will take not more than 10 minutes of your valuable time. Please answer all the questions and handover the completed questionnaire at any IRB's assessment branch counters in Klang Valley. Your response will be treated with the strictest confidentiality.

Your active participation will be greatly appreciated.

Yours sincerely,

Nor Haida Abdul Hamid (noe\_e7@yahoo.com) Faculty of Business and Accountancy University of Malaya.

Supervised by: **Dr. Anna Azriati Che Azmi** Department of Management Accounting and Taxation Faculty of Business and Accountancy University of Malaya

# Section A

In this section, please answer the following questions about the risks or potential risks of the e-filing method. Please tick (/) only once for each statement. All information will be kept confidential.

1	3	5	7	9
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree

	Statement	1	3	5	7	9
1	The e-filing system might not perform well and create problems.					
2	The security systems built into e-filing are not strong enough to protect my sensitive information					
3	The likelihood that there will be something wrong with the performance of e-filing system or that it will not work properly is very high.					
4	4 Considering the expected level of service performance of e-filing system, for you to sign up for and adopt it would be very risky.					
5	E-filing servers may not perform well and process transactions incorrectly.					
6	The chances of you losing control over the privacy of your information when using e-filing are very high.					
7	My signing up for and adopting of e-filing would lead to a loss of privacy for me because my personal information would be used without my knowledge.					
8	Internet hackers (criminals) might take control of my personal information if I used e-filing.					
9	The e-filing will not fit in well with my self-image or self-concept.					
10	The adoption of the e-filing system would lead to a psychological loss for me because it would not fit in well with my self-image or self-concept.					

1	3	5	7	9
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree

	Statement	1	3	5	7	9
11	1 If you had begun to adopt e-filing, the chances that you will lose time due to having to switch to a different filing method are very high.					
12	12 My signing up for and adoption of e-filing services would lead to a loss of convenience of me because I would have to waste a lot of time fixing errors.					
13	Considering the investment of my time involved to switch to e-filing makes them very risky.					
14	The possible time loss from having to set-up and learn how to use e-filing makes them very risky.					
15	15 On the whole, considering all sorts of factors combined, signing up for and adoption of e-filing will be very risky.					
16	Using e-filing to file my income tax return would be risky.					
17	E-filing systems are dangerous to use.					
18	Using e-filing would add great uncertainty to my yearly tax filing.					
19	Using e-filing exposes you to an overall risk.					

#### Section B

In this section, please answer the following questions about the usefulness and ease of use of the e-filing method. Please tick (/) only once for each statement. All information will be kept confidential.

1	3	5	7	9
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree

	Statement	1	3	5	7	9
1	I intend to use e-filing method for my income tax return next year.					
2	In choosing filing methods for my income tax return, e-filing method is my first priority.					
3	I would like to recommend e-filing method to my relatives and friends.					
4	E-filing will be of no benefit to me.					
5	Using e-filing will speed the tax-filing process.					
6	The advantages of e-filing will outweigh the disadvantages.					
7	Overall, using e-filing will be advantageous.					
8	Learning to use e-filing would be easy for me.					
9	I find e-filing easy to use.					
10	It is not easy for me to be skillful in using e- filing.					

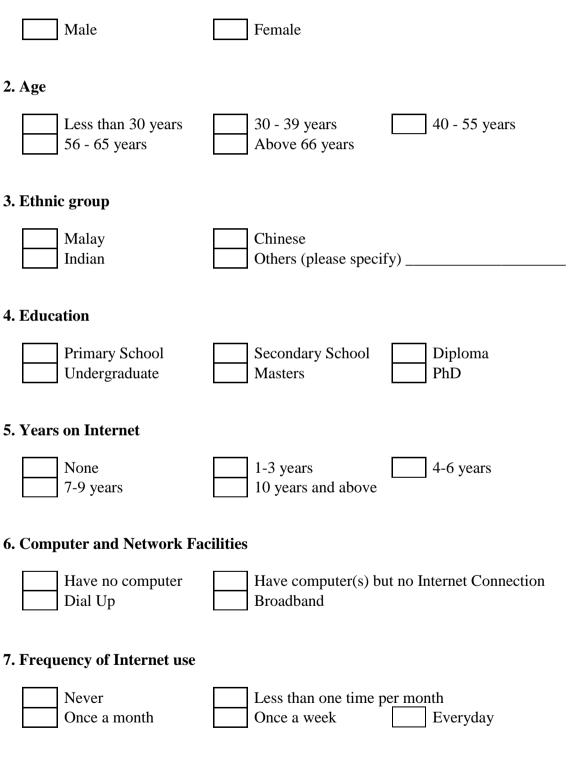
1	3	5	7	9
Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree

	Statement	1	3	5	7	9
11	It is easy for me to input and modify data when I use e-filing.					
12	Instructions for using e-filing will be easy to follow.					
13	My interaction with e-filing is clear and understandable.					

#### **Section C: Demographic Profile**

In this section, please answer the following questions about yourself. Please tick ( / ) only once for each statement. All information will be kept confidential.

#### 1. Gender



## 8. Type of Taxpayer

Employment (SG) Business (OG)

# 9. Method of submitting tax form

Manual
--------

E-filing

# 10. Person who completed your yearly tax form before submission

Personally

Tax Agent

~ Thank you for your time and cooperation ~

# 1. ANALYSIS OF MEASURES

# 1.1 RELIABILITY TEST

# 1.1.1 Performance Risk

5						
	Cronbach's					
	Alpha Based on					
Cronbach's	Standardized					
Alpha	Items	N of Items				
.870	.871	5				

#### **Reliability Statistics**

### Inter-Item Correlation Matrix

	PFMR1	PFMR2	PFMR3	PFMR4	PFMR5
PFMR1	1.000	.550	.546	.606	.607
PFMR2	.550	1.000	.521	.523	.603
PFMR3	.546	.521	1.000	.576	.595
PFMR4	.606	.523	.576	1.000	.624
PFMR5	.607	.603	.595	.624	1.000

# 1.1.2 Privacy Risk

Reliability Statistics					
	Cronbach's				
	Alpha Based on				
Cronbach's	Standardized				
Alpha	Items	N of Items			
.905	.905	3			

#### Inter-Item Correlation Matrix

	PRVR1	PRVR2	PRVR3
PRVR1	1.000	.782	.726
PRVR2	.782	1.000	.776
PRVR3	.726	.776	1.000

# 1.1.3 Psychological Risk

Reliability Statistics			
	Alpha Based on		
Cronbach's	Standardized		
Alpha	Items	N of Items	
.856	.856	2	

#### Inter-Item Correlation Matrix

	PYCR1	PYCR1
PYCR1	1.000	.749
PYCR1	.749	1.000

# 1.1.4 Time Risk

Reliability Statistics			
Cronbach's			
	Alpha Based on		
Cronbach's	Standardized		
Alpha	Items	N of Items	
.891	.894	4	

#### Inter-Item Correlation Matrix

	TMR1	TMR2	TMR3	TMR4
TMR1	1.000	.651	.615	.616
TMR2	.651	1.000	.763	.700
TMR3	.615	.763	1.000	.730
TMR4	.616	.700	.730	1.000

# 1.1.5 Overall Risk

	Cronbach's		
	Alpha Based on		
Cronbach's	Standardized		
Alpha	Items	N of Items	
.920	.921	5	

#### **Reliability Statistics**

	OVR1	OVR2	OVR3	OVR4	OVR5
OVR1	1.000	.757	.659	.668	.735
OVR2	.757	1.000	.668	.615	.719
OVR3	.659	.668	1.000	.706	.778
OVR4	.668	.615	.706	1.000	.703
OVR5	.735	.719	.778	.703	1.000

Inter-Item Correlation Matrix

# 1.1.6 Adoption Intention

 rtenaenty etatietiee			
	Cronbach's		
	Alpha Based on		
Cronbach's	Standardized		
Alpha	Items	N of Items	
.977	.977	3	

**Reliability Statistics** 

### Inter-Item Correlation Matrix

	ADPI1	ADPI2	ADPI3
ADPI1	1.000	.940	.927
ADPI2	.940	1.000	.937
ADPI3	.927	.937	1.000

# 1.1.7 Perceived Usefulness

-	Reliability Statistics				
	Cronbach's Alpha Based on				
	Cronbach's	Standardized			
	Alpha	Items	N of Items		
	.752	.776	4		

## Inter-Item Correlation Matrix

	PU1	PU2	PU3	PU4
PU1	1.000	.227	.193	.191
PU2	.227	1.000	.670	.699
PU3	.193	.670	1.000	.805
PU4	.191	.699	.805	1.000

#### 1.1.8 Perceived Ease of Use

Tellability Otatiotios			
	Cronbach's		
	Alpha Based on		
Cronbach's	Standardized		
Alpha	Items	N of Items	
.791	.820	6	

#### **Reliability Statistics**

	PEOU1	PEOU2	PEOU3	PEOU4	PEOU5	PEOU6
PEOU1	1.000	.708	.141	.340	.462	.552
PEOU2	.708	1.000	.059	.562	.677	.700
PEOU3	.141	.059	1.000	066	.035	.031
PEOU4	.340	.562	066	1.000	.740	.699
PEOU5	.462	.677	.035	.740	1.000	.841
PEOU6	.552	.700	.031	.699	.841	1.000

Inter-Item Correlation Matrix

## 2. TESTING OF HYPOTHESES

# 2.1 FACTOR ANALYSIS (Results and Analysis on Research Question 1 and *H*<sub>1</sub>)

# KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure	of Sampling Adequacy.	.935
Bartlett's Test of Sphericity	Approx. Chi-Square	3106.044
	df	91.000
	Sig.	.000

	1	nitial Eigenvalu	ies	Extrac	tion Sums o Loadings	-	Rotation Sums of Squared Loadings <sup>a</sup>
		% of	Cumulative		% of	Cumulative	
Component	Total	Variance	%	Total	Variance	%	Total
1	8.082	57.727	57.727	8.082	57.727	57.727	7.072
2	1.496	10.684	68.411	1.496	10.684	68.411	6.734
3	.719	5.134	73.545				
4	.664	4.744	78.288				
5	.489	3.490	81.779				
6	.422	3.015	84.794				
7	.390	2.785	87.578				
8	.349	2.493	90.071				
9	.335	2.390	92.461				
10	.288	2.059	94.520				
11	.228	1.630	96.150				
12	.201	1.432	97.582				
13	.183	1.310	98.893				
14	.155	1.107	100.000				

# Total Variance Explained

Extraction Method: Principal Component Analysis.

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

#### PFMR1 PFMR2 PFMR3 PFMR4 PFMR5 PRVR1 PRVR2 PRVR3 PYCR1 PYCR2 TMR1 TMR2 TMR3 TMR4 Correlation PFMR1 1.000 PFMR2 .594 1.000 PFMR3 .545 .532 1.000 PFMR4 .616 .567 .580 1.000 PFMR5 .624 .620 .593 .633 1.000 PRVR1 .603 .675 .566 .650 .674 1.000 PRVR2 .532 .621 .521 .587 .602 .801 1.000 PRVR3 .518 .647 .559 .509 .725 .772 .603 1.000 PYCR1 .498 .450 .406 .616 .533 .488 .476 .468 1.000 PYCR2 .433 .506 .472 .399 .363 .585 .552 .447 .770 1.000 TMR1 .450 .364 .389 .529 .437 .405 .433 .500 .546 1.000 .444 TMR2 .518 .429 .415 .561 .503 .573 .637 .675 1.000 .543 .546 .449 .453 .385 .550 .524 .514 .552 .499 .588 .663 .639 .786 1.000 TMR3 .494 TMR4 .471 .374 .378 .509 .520 .488 .498 .424 .550 .586 .641 .726 .746 1.000

#### **Correlation Matrix**

	Comp	onent
	1	2
PRVR 1	.841	
PFMR2	.803	
PRVR3	.796	
PRVR2	.772	.346
PFMR3	.721	
PFMR5	.716	.403
PFMR1	.666	.375
PFMR4	.624	.505
TMR2	.305	.825
TMR3	.311	.824
TMR4		.811
PYCR2	.303	.772
TMR1		.762
PYCR1	.373	.689

# Rotated Component Matrix

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 3 iterations.

# 2.2 MULTIPLE REGRESSION (Result on Research Question 1 and

#### H2)

#### Model Summary

			Adjusted R	Std. Error of the
Model	R	R Square	Square	Estimate
1	.206 <sup>a</sup>	.042	.023	2.64301

a. Predictors: (Constant), Overall Risk, Psychological Risk, Privacy Risk, Performance Risk , Time Risk

b. Dependent Variable: Adoption Intention

Mode	1	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	76.125	5	15.225	2.180	.057 <sup>a</sup>
	Residual	1718.437	246	6.986		
	Total	1794.562	251			

#### ANOVA

a. Predictors: (Constant), Overall Risk, Psychological Risk, Privacy Risk, Performance Risk , Time Risk

b. Dependent Variable: Adoption Intention

_	Coemcients												
	Unstandardized Coefficients			Standardized Coefficients			95% Confidence Interval for B		Correlations		Collinearity Statistics		
N	lodel	В	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero- order	Partial	Part	Tolerance	VIF
1	(Constant)	4.640	.496		9.350								
	PFMR	082	.198	045	414	.679	472	.308	013	026	026	.329	3.038
	PRVR	.196	.143	.142	1.371	.172	086	.478	.048	.087	.086	.362	2.761
	PYCR	400	.162	229	-2.471	.014	719	081	128	156	154	.455	2.199
	TMR	136	.203	078	673	.501	536	.263	054	043	042	.288	3.473
L	OVR	.278	.212	.160	1.309	.192	140	.696	.008	.083	.082	.261	3.829

#### Coefficients

				Variance Proportions								
Mode	Dimension	Eigenvalue	Condition Index	(Constant)	PFMR	PRVR	PYCR	TMR	OVR			
1	1	5.690	1.000	.00	.00	.00	.00	.00	.00			
	2	.111	7.156	.62	.01	.01	.05	.07	.05			
	3	.085	8.204	.21	.05	.30	.21	.03	.00			
	4	.056	10.057	.10	.03	.04	.67	.17	.14			
	5	.030	13.781	.06	.72	.29	.06	.19	.24			
	6	.028	14.209	.00	.20	.36	.00	.54	.58			

#### **Collinearity Diagnostics**

a. Dependent Variable: Adoption Intention

# 2.3 CORRELATION (Results and Analysis on Research Question2 that has an effect on *H*<sub>3</sub> and *H*<sub>4</sub>)

		ADPI	PU	PEOU	PR
Adoption Intention	Pearson Correlation	1.000	.034	.146 <sup>*</sup>	029
mention	Sig. (1-tailed)		.295	.010	.323
	Ν	254.000	254	252	250
Perceived	Pearson Correlation	.034	1.000	.742**	.488**
Usefulness	Sig. (1-tailed)	.295		.000	.000
	Ν	254	256.000	254	251
Perceived Ease of Use	Pearson Correlation	.146 <sup>*</sup>	.742**	1.000	.460**
Ease of Use	Sig. (1-tailed)	.010	.000		.000
	Ν	252	254	254.000	249
Perceived Risk	Pearson Correlation	029	.488**	.460**	1.000
	Sig. (1-tailed)	.323	.000	.000	
	Ν	250	251	249	252.000

\*. Correlation is significant at the 0.05 level (1-tailed).

\*\*. Correlation is significant at the 0.01 level (1-tailed).

#### 3. DEMOGRAGRAPHIC COMPARISON

#### 3.1 t-test for Gender

		Equa	s Test for ality of ances	r t-test for Equality of Means						
		, vane				Sig. (2-	Mean	95% Confidence Interval of th		
		F	Sig.	t	df	tailed)	Difference	Difference	Lower	Upper
ADPI	Equal variances assumed	.314	.576	618	245	.537	21197	.34296	88749	.46356
	Equal variances not assumed			617	239.736	.538	21197	.34373	88909	.46516
PR	Equal variances assumed	1.336	.249	-2.808	244	.005	48290	.17195	82159	14421
	Equal variances not assumed			-2.796	235.745	.006	48290	.17270	82314	14267
PEOU	Equal variances assumed	.381	.537	.383	246	.702	.05865	.15322	24313	.36044
	Equal variances not assumed			.381	235.341	.704	.05865	.15409	24492	.36222
PU	Equal variances assumed	.029	.864	129	247	.897	02212	.17153	35997	.31572
	Equal variances not assumed			129	244.539	.897	02212	.17149	35990	.31566

#### Independent Samples Test

# 3.2 ANOVA for Age Groups

	Levene Statistic	df1	df2	Sig.
ADPI	.635	3	243	.593
PU	.344	3	245	.793
PEOU	.370	3	244	.775
PR	.409	3	242	.747

Test of Homogeneity of Variances

-			-	-		-
		Sum of Squares	df	Mean Square	F	Sig.
ADPI	Between Groups	35.518	3	11.839	1.652	.178
	Within Groups	1741.800	243	7.168		
	Total	1777.317	246			
PU	Between Groups	7.188	3	2.396	1.322	.268
	Within Groups	443.999	245	1.812		
	Total	451.187	248			
PEOU	Between Groups	.626	3	.209	.143	.934
	Within Groups	356.499	244	1.461		
	Total	357.125	247			
PR	Between Groups	.878	3	.293	.155	.926
	Within Groups	456.031	242	1.884		
	Total	456.909	245			

ANOVA

# 3.3 ANOVA for Ethnic Groups

	Levene Statistic	df1	df2	Sig.
ADPI	1.080	3	243	.358
PU	.814	3	245	.487
PEOU	.728	3	244	.536
PR	1.846	3	242	.139

# Test of Homogeneity of Variances

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ADPI	- Between Groups	17.337	3	5.779	.798	.496
	Within Groups	1759.980	243	7.243		
	Total	1777.317	246			
PU	Between Groups	7.918	3	2.639	1.459	.226
	Within Groups	443.269	245	1.809		
	Total	451.187	248			
PEOU	Between Groups	9.947	3	3.316	2.330	.075
	Within Groups	347.178	244	1.423		
	Total	357.125	247			
PR	Between Groups	16.105	3	5.368	2.947	.034
	Within Groups	440.804	242	1.822		
	Total	456.909	245			

# 3.4 ANOVA for Education

	Levene Statistic	df1	df2	Sig.
ADPI	4.172	3	239	.007
PU	.620	3	241	.603
PEOU	.933	3	240	.426
PR	1.076	3	238	.360

# Test of Homogeneity of Variances

ANOVA

		ANU	v7.			
		Sum of Squares	df	Mean Square	F	Sig.
ADPI	Between Groups	76.497	3	25.499	3.634	.014
	Within Groups	1676.820	239	7.016		
	Total	1753.317	242			
PU	Between Groups	26.667	3	8.889	5.123	.002
	Within Groups	418.133	241	1.735		
	Total	444.800	244			
PEOU	Between Groups	33.655	3	11.218	8.459	.000
	Within Groups	318.277	240	1.326		
	Total	351.932	243			
PR	Between Groups	11.763	3	3.921	2.109	.100
	Within Groups	442.425	238	1.859		
	Total	454.188	241			

# 3.5 ANOVA for Years of internet experience

	0 ,			
	Levene Statistic	df1	df2	Sig.
ADPI	2.797	4	242	.027
PU	1.476	4	244	.210
PEOU	.817	4	243	.515
PR	.356	4	241	.840

Test of Homogeneity of Variances

ANOVA	A	NC	ΟV	Ά
-------	---	----	----	---

		Sum of Squares	df	Mean Square	F	Sig.
ADPI	Between Groups	44.926	4	11.232	1.569	.183
	Within Groups	1732.391	242	7.159		
	Total	1777.317	246			
PU	Between Groups	14.940	4	3.735	2.089	.083
	Within Groups	436.247	244	1.788		
	Total	451.187	248			
PEOU	Between Groups	44.490	4	11.123	8.645	.000
	Within Groups	312.635	243	1.287		
	Total	357.125	247			
PR	Between Groups	11.722	4	2.930	1.586	.179
	Within Groups	445.187	241	1.847		
	Total	456.909	245			

# 3.6 ANOVA for Frequency of Internet use

Test of Homogeneity of Variances				
	Levene Statistic	df1	df2	Sig.
MeanTotalADPI	1.800	4	242	.129
Mean for Total Perceived Usefulness	1.651	4	244	.162
Mean for Total Perceived Ease of Use	.917	4	243	.455
MeanTotalPRaOR	.622	4	241	.647

			ANOVA			
		Sum of Squares	df	Mean Square	F	Sig.
ADPI	Between Groups	43.280	4	10.820	1.510	.200
	Within Groups	1734.037	242	7.165		
	Total	1777.317	246			
PU	Between Groups	28.907	4	7.227	4.176	.003
	Within Groups	422.280	244	1.731		
	Total	451.187	248			
PEOU	Between Groups	32.059	4	8.015	5.991	.000
	Within Groups	325.066	243	1.338		
	Total	357.125	247			
PR	Between Groups	9.388	4	2.347	1.264	.285
	Within Groups	447.521	241	1.857		
	Total	456.909	245			

## ANOVA

# 3.7 t-test for Venue where the Questionnaires were being distributed

	Venue where the questionnaires were being distributed	N	Mean	Std. Deviation	Std. Error Mean
ADPI	IRB	127	4.5538	2.79967	.24843
	Companies	127	4.0919	2.53187	.22467
PU	IRB	129	3.2132	1.52681	.13443
	Companies	127	3.0472	1.24472	.11045
PEOU	IRB	129	3.2558	1.31532	.11581
	Companies	125	3.2133	1.15190	.10303
PR	IRB	126	3.4211	1.47230	.13116
	Companies	126	3.9783	1.22098	.10877

Group	<b>Statistics</b>
Oloup	Olalislius

	-	Levene's Test for Equality of Variances		t-test for Equality of Means						
						Sig. (2-	Mean	Std. Error	95% Confidence Interval of the Difference	
		F	Sig.	t	df	tailed)	Difference	Difference	Lower	Upper
ADPI	Equal variances assumed	5.347	.022	1.379	252	.169	.46194	.33495	19772	1.12160
	Equal variances not assumed			1.379	249.495	.169	.46194	.33495	19775	1.12164
PU	Equal variances assumed	9.952	.002	.952	254	.342	.16593	.17426	17724	.50911
	Equal variances not assumed			.954	245.498	.341	.16593	.17398	17676	.50863
PEOL	Equal variances assumed	2.774	.097	.273	252	.785	.04248	.15533	26343	.34839
	Equal variances not assumed			.274	249.479	.784	.04248	.15500	26280	.34776
PR	Equal variances assumed	6.840	.009	-3.270	250	.001	55723	.17040	89283	22163
	Equal variances not assumed			-3.270	241.726	.001	55723	.17040	89288	22157



Ruj. Tuan:	<u>8</u>
Ruj. Kami:	LHDN.01/11.3/175/5-2 klt.2 P.5110
Tarikh:	23 Februari 2009

#### Kepada sesiapa yang berkenaan

Tuan / Puan,

#### SURAT KEBENARAN UNTUK MENJALANKAN KAJIAN DI LEMBAGA HASIL DALAM NEGERI MALAYSIA (LHDNM)

Dengan segala hormatnya saya merujuk kepada perkara di atas.

2. Adalah dimaklumkan bahawa pegawai berikut telah diberi kebenaran untuk menjalankan kajian di LHDNM bagi tujuan pangajian Sarjana beliau seperti berikut:

Nama Pegawai : Cik Nor Haida binti Abdul Hamid

Tajuk / Skop : " Acceptance of E-Filing Services: A Study of Malaysian Taxpayers Adoption Intentions";

3. Sehubungan itu, diharapkan tuan / puan dapat memberi kerjasama yang sewajarnya. Untuk makluman tuan / puan, semua maklumat yang diperolehi daripada kajian ini adalah **SULIT** mengikut peruntukan Akta Cukai Pendapatan 1967 termasuk nama individu, syarikat, alamat, pekerjaan dan lain-lain dan semua maklumat tersebut hanya akan digunakan untuk tujuan akademik sahaja.

Sekian, terima kasih.

" BERKHIDMAT UNTUK NEGARA " " MESRA MEMBANTU MEMUASKAN " " ORGANISASI BERIKTIRAF MS ISO 9001 : 2000 "

Saya yang menurut perintah,

[MARZITA BINTI MOHAMAD] Timbalan Pengarah Bahagian Pembangunan Organisasi b.p Ketua Pegawa/Eksekutif/Ketua Pengarah Hasil Dalam Negeri Lembaga Hasil Dalam Negeri Malaysia Surat Kebenaran Kalian NorHisidaRAS/Moty 02.03.2009



Certified to ISO 9001:2000 Cert. No. : AR 3577



the self that there are a

BERSAMA KE ARAH SISTEM TAKSIR SENDIRI

(Sila Rujuk Fail Kami Apabila Menjawab)