

APPENDICES

UNIVERSITI SAINS ISLAM MALAYSIA
جامعة العلوم الإسلامية الماليزية
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA

APPENDIX 1: QUESTIONNAIRE (*Online via Google Form*)



UNIVERSITI SAINS ISLAM MALAYSIA
جامعة العلوم الإسلامية الماليزية
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA



CONFIDENTIAL

A SURVEY OF INFLUENCING FACTORS OF DECISION-MAKERS' BEHAVIOURAL INTO INVOLVEMENT IN PUBLIC-PRIVATE PARTNERSHIP (PPP) TOLL EXPRESSWAY PROJECTS

Dear Respondents,

You are invited to participate in this study by giving your opinion about influencing factors of the decision makers' behavioural towards involvement in Public-Private Partnership (PPP), particularly in toll expressway projects in Malaysia. Your response, both yourself and organisation identity will be kept strictly confidential. The Questionnaire consists of several sections and it should take you not more than 15 minutes to answer. Your cooperation in completing this Questionnaire is highly appreciated.

Thank you.

RAHSIA

SOAL SELIDIK TERHADAP FAKTOR-FAKTOR YANG MEMPENGARUHI TINGKAH LAKU PEMBUAT KEPUTUSAN TERHADAP PENGLIBATAN MEREKA DI DALAM PROJEK LEBUHRAYA BERTOL KERJASAMA AWAM SWASTA (PPP)

Kepada Responden,

Anda dijemput untuk turut terlibat dalam Kajian Soal-Selidik ini dengan memberi pandangan berkenaan faktor-faktor yang mempengaruhi tingkah laku pembuat keputusan untuk terlibat di dalam Kerjasama Awam Swasta (PPP) khususnya di dalam projek lebuh raya bertol di Malaysia. Setiap maklumbalas yang dikemukakan termasuk diri dan organisasi anda akan dirahsiakan. Soalan-soalan kajiselidik ini terdiri dari beberapa seksyen dan hanya mengambil masa untuk menjawab kurang daripada 15 minit. Kerjasama anda dalam menjawab semua soalan pada kaji selidik ini amatlah dihargai.

Terima Kasih.

INSTRUCTION: PLEASE TICK (✓) WHERE APPROPRIATE.

ARAHAN: SILA TANDAkan (✓) PADA RUANG BERKENAAN

SECTION A: Demographic Profile

SEKSYEN A: Profil Demografik

i. Professional background:

Latar Belakang Profesional:

Top Management in Private Sector <i>Pengurusan Tertinggi di Sektor Swasta</i>	
Middle Management in Private Sector <i>Pengurusan Pertengahan di Sektor Swasta</i>	

ii. Working Experience:

Pengalaman Bekerja:

More than 11 years <i>Lebih daripada 11 tahun</i>	
Between 6 – 10 years <i>Di antara 6 -10 tahun</i>	
Less than 5 years <i>Kurang daripada 5 tahun</i>	

SECTION B: Behavioural Intention of the Decision-Makers

SEKSYEN B: Niat Tingkah Laku Pembuat Keputusan

This section is to describe behaviour intention of the decision makers' in the private sector towards Public-Private Partnership (PPP) project. By using 5-Likert, scale method which rating from 1 to 5, kindly rate the following statements based on **the degree of agreement**. Here are the guidelines of the scale for **Question No. 1- 24**:

Seksyen ini menerangkan niat tingkah laku para pembuat keputusan di sektor swasta terhadap projek Kerjasama Awam Swasta (PPP). Dengan menggunakan skala 5- Likert, iaitu skala dari 1-5, sila tandakan pilihan mengikut tahap persetujuan berdasarkan kenyataan yang diberi. Di bawah ini garis panduan bagi skala untuk Soalan 1 -24.

Number <i>Nombor</i>	Indicator <i>Indikator</i>
1	Strongly Disagree <i>Sangat Tidak Bersetuju</i>
2	Disagree <i>Tidak Bersetuju</i>
3	Neutral <i>Berkecuali</i>
4	Agree <i>Bersetuju</i>
5	Strongly Agree <i>Sangat Bersetuju</i>

1. Attitude on PPP (PSAP)

1. Tingkah Laku ke atas PPP

No.	Item Perkara	Scale Skala				
		1	2	3	4	5
1.	Participation in PPP projects is profitable <i>Penglibatan di dalam projek PPP menguntungkan</i>					
2.	Participation in PPP projects contributes to access to the infrastructure and public service market. <i>Penglibatan di dalam PPP projek menyumbang kepada akses dalam pembangunan infrastruktur dan pasaran perkhidmatan awam</i>					
3.	Participation in PPP projects contributes to increasing market share <i>Penglibatan di dalam projek PPP menyumbang kepada peningkatan dalam pasaran saham</i>					
4.	Participation in PPP projects can promote enterprise development and strategic transformation. <i>Penglibatan di dalam projek PPP boleh mempromosi pembangunan syarikat serta transformasi strategik.</i>					
5.	Participation in PPP projects can establish company's reputation and social image <i>Penglibatan di dalam projek PPP boleh mengukuhkan reputasi dan sosial imej syarikat</i>					
6.	Participation in PPP projects is worthy to be advocated <i>Penglibatan di dalam projek PPP memberi nilai yang menggalakkan.</i>					
7.	Involvement in PPP is sustainable for business <i>Menceburi di dalam PPP merupakan perniagaan yang mampan.</i>					

2. Subjective Norm (SN)

2. Norma Subjektif

No.	Item Perkara	Scale Skala				
		1	2	3	4	5
8.	Most of the competitors participate in PPP projects actively <i>Kebanyakan pesaing terlibat secara aktif di dalam projek PPP.</i>					
9.	Industry Associations support the company to participate in PPP projects <i>Persatuan Industri memberi sokongan kepada syarikat untuk terlibat di dalam projek PPP</i>					
10.	Financial Institutions support the company to participate in PPP projects <i>Institusi Kewangan memberi sokongan kepada syarikat untuk terlibat di dalam projek PPP</i>					

No.	Item Perkara	Scale Skala				
		1	2	3	4	5
11.	Private sectors with PPP experiences have a positive attitude towards PPP <i>Sektor swasta yang mempunyai pengalaman di dalam PPP memberi reaksi positif terhadap PPP</i>					
12.	Local society give support on the infrastructure development through PPP <i>Masyarakat setempat memberi sokongan terhadap pembangunan infrastruktur melalui kaedah PPP</i>					

3. Perceived Behavioural Control (PBC)

3. Perceived Kawalan Tingkah Laku

No.	Item Perkara	Scale Skala				
		1	2	3	4	5
13.	My company has adequate funds to participate in PPP projects. <i>Syarikat saya mempunyai sumber kewangan yang mencukupi untuk menyertai projek PPP.</i>					
14.	My company has the technical strength and capacity to participate in PPP projects <i>Syarikat saya mempunyai kekuatan dan keupayaan teknikal untuk menyertai projek PPP</i>					
15.	My company has adequate PPP project experiences. <i>Syarikat saya mempunyai pengalaman yang luas di dalam projek PPP.</i>					
16.	My company has good networking and relationship with the government agencies that responsible implementing PPP. <i>Syarikat saya mempunyai rangkaian dan hubungan yang baik dengan agensi Kerajaan yang bertanggungjawab dalam pelaksanaan PPP.</i>					
17.	My company can successfully obtain funds from financial institutions when participating in PPP projects. <i>Syarikat saya akan berjaya memperolehi sumber kewangan daripada institusi kewangan apabila terlibat di dalam projek PPP.</i>					
18.	My company can easily acquire relevant information on the PPP projects to be initiated <i>Syarikat saya akan mudah memperolehi maklumat yang berkaitan bagi projek PPP yang dilancarkan.</i>					
19.	My company has adequate expertise in managing PPP projects <i>Syarikat saya mempunyai kepakaran yang mencukupi dalam menguruskan projek PPP.</i>					

4. Behavioural Intention (BI)

4. Niat Tingkah Laku

No.	Item Perkara	Scale Skala				
		1	2	3	4	5
20.	I intend to carry out PPP business <i>Saya berhasrat untuk terlibat di dalam PPP</i>					
21.	I am willing to increase the proportion of PPP in business portfolio <i>Saya sanggup untuk meningkatkan keterlibatan di dalam PPP bagi portfolio perniagaannya.</i>					
22.	I will participate in bidding for PPP projects with high probability <i>Saya akan terlibat di dalam bidaan bagi projek PPP dengan kebarangkalian yang tinggi.</i>					
23.	I prefer to get involved in PPP projects compared to conventional projects. <i>Saya lebih suka untuk terlibat di dalam projek PPP berbanding projek konvensional.</i>					
24.	I am willing to recommend partner companies to participate in PPP projects <i>Saya bersedia untuk mengesyor kepada rakan perniagaan untuk terlibat di dalam projek PPP</i>					

SECTION C: Governmental Influence (GI)

SEKSYEN C: Pengaruh Kerajaan

The following are statements to describe the **governmental influence towards influencing the decision-makers' behavioural intention to participate in Public-Private Partnership (PPP)**. Please state **the degree of agreement** on the following items based on the scale below.

Here are the guidelines of the scale for **Question 25 - 35**:

Kenyataan berikut menerangkan hubungan pengaruh kerajaan terhadap niat tingkah laku pembuat keputusan dalam keterlibatan di dalam PPP. Sila tandakan tahap persetujuan berdasarkan kenyataan di bawah mengikut skala yang diberikan. Skala bagi Soalan 25 – 35 seperti berikut:

Number Nombor	Indicator Indikator
1	Strongly Disagree <i>Sangat Tidak Bersetuju</i>
2	Disagree <i>Tidak Bersetuju</i>
3	Neutral <i>Berkecuali</i>
4	Agree <i>Bersetuju</i>
5	Strongly Agree <i>Sangat Bersetuju</i>

5. Governmental Influence (GI)

5. Pengaruh Kerajaan

No.	Item	Scale				
		1	2	3	4	5
25.	Government helps to create a fair and competitive market in PPP. <i>Kerajaan membantu dalam membentuk pasaran yang adil dan kompetitif di dalam PPP.</i>					
26.	Government provides proper legislations, policies and guidelines in PPP. <i>Kerajaan menyediakan perundangan, polisi dan peraturan PPP yang betul.</i>					
27.	Government carries out PPP contracts with integrity <i>Kerajaan melaksanakan kontrak PPP dengan penuh integriti.</i>					
28.	Government promotes fair competition in PPP procurement. <i>Kerajaan menggalakkan persaingan sihat di dalam perolehan PPP.</i>					
29.	Government provides financial assistance to private companies participating in PPP projects. <i>Kerajaan menyediakan bantuan kewangan kepada syarikat yang menyertai projek PPP.</i>					
30.	Government provides relevant tax incentives and waiver some fees for PPP projects. <i>Kerajaan menyediakan insentif cukai dan pemansuhan yuran yang berpatutan bagi projek PPP.</i>					
31.	Government intends to transfer all the project risks to the private sectors. <i>Kerajaan bercadang untuk menyerahkan kesemua risiko projek kepada pihak swasta</i>					
32.	Government assists private companies raise funds for PPP projects with financial institutions. <i>Kerajaan amebantu syarikat swasta untuk mendapatkan dana daripada institusi kewangan untuk projek PPP.</i>					
33.	The risks of PPP projects can be allocated fairly between the government and private sector. <i>Semua risiko di dalam projek PPP akan dibahagi secara adil di antara Kerajaan dan pihak swasta.</i>					
34.	Government will not unreasonably interfere with the implementation of the PPP projects. <i>Kerajaan tidak akan mencampuri pelaksanaan projek PPP tanpa sebab yang munasabah.</i>					
35.	Government agrees to provide termination compensation. <i>Kerajaan bersetuju menyediakan pampasan penamatan</i>					

SECTION D: Project's Viability (PV)

SEKSYEN D: Projek Berdaya Maju

The following are statements to describe the **project's viability towards influencing the decision-makers' behavioural intention to participate in Public-Private Partnership (PPP)**. Please state **the degree of agreement** on the following items based on the scale below. Here are the guidelines of the scale for Question 36 - 49:

Kenyataan berikut menerangkan hubungan projek berdaya maju terhadap niat tingkah laku pembuat keputusan dalam keterlibatan di dalam PPP. Sila tandakan tahap persetujuan berdasarkan kenyataan di bawah mengikut skala yang diberikan. Skala bagi Soalan 36 – 49 seperti berikut:

Number <i>Nombor</i>	Indicator <i>Indikator</i>
1	Strongly Disagree <i>Sangat Tidak Bersetuju</i>
2	Disagree <i>Tidak Bersetuju</i>
3	Neutral <i>Berkecuali</i>
4	Agree <i>Bersetuju</i>
5	Strongly Agree <i>Sangat Bersetuju</i>

6. Project's Viability (PV)

6. Projek Berdaya Maju

No.	Item	Scale				
		1	2	3	4	5
36.	The construction cost of PPP project is manageable and under control <i>Kos pembinaan bagi projek PPP boleh diuruskan dan dalam kawalan.</i>					
37.	A continuous income/profit is received by the company during project operation. <i>Pendapatan/Keuntungan yang berterusan diterima oleh Syarikat sepanjang projek beroperasi.</i>					
38.	Lower life cycle cost is realised which enhances the project's value money. <i>Kitaran pusingan kos yang rendah yang dapat meningkatkan nilai projek.</i>					
39.	Technical and commercial evaluations are already taken into consideration before participating in PPP projects. <i>Penilaian teknikal dan komersial telah diambil kira sebelum terlibat di dalam projek PPP.</i>					
40.	Revenue streams of the project are sustainable throughout the concession period.					

No.	Item	Scale				
		1	2	3	4	5
	<i>Aliran pendapatan projek yang mampan sepanjang tempoh konsesi.</i>					
41.	Adequate concession period to recoup investment <i>Tempoh konsesi yang mencukupi untuk mendapatkan semula nilai pelaburan.</i>					
42.	The accuracy in forecasting traffic volume is vital for PPP toll expressways <i>Ketepatan dalam meramal kepesatan trafik adalah penting bagi projek PPP lebuh raya bertol.</i>					
43.	Reasonable toll rate charges <i>Kadar tol yang bersesuaian dan munasabah</i>					
44.	The proposed road alignment should be free from any encumbrances <i>Cadangan jajaran jalan raya bebas daripada sebarang halangan yang sukar.</i>					
45.	The design of the mainline expressway and cost of land acquisition should be borne by the Government <i>Rekabentuk laluan utama lebuh raya dan kos pengambilalihan tanah ditanggung oleh Kerajaan.</i>					
46.	Environmental Impact Assessment (EIA) is evaluated during the project feasibility study <i>Kajian EIA diambil kira di dalam kajian awal projek.</i>					
47.	PPP projects should take into consideration its social impact. Projek PPP perlu mengambilkira terhadap impak sosialnya.					
48.	Interfacing issues with the other authorities such as local council etc. will distort the projects. <i>Timbul sebarang isu dengan pihak berkuasa seperti majlis perbandaran tempatan akan mengugut kelancaran projek.</i>					
49.	Appropriate allocation of risks between government and private sectors are vital <i>Pembahagian risiko yang betul dan bersesuaian di antara Kerajaan dan pihak swasta adalah penting</i>					

SECTION E: Intensify Effect

SEKSYEN E: Faktor Penggalak

The following are statements to describe the **intensify effect on the relationship of behavioural intention with their involvement (actual behaviour) in Public-Private Partnership (PPP)**. Please state the **degree of agreement** on the following items based on the scale below. Here are the guidelines of the scale for **Question 50 - 59**:

Kenyataan berikut menerangkan faktor penggalak bagi hubungan di antara niat tingkah laku dengan penglibatan (tingkah laku sebenar) di dalam PPP. Sila tandakan tahap persetujuan berdasarkan kenyataan di bawah mengikut skala yang diberikan. Skala bagi Soalan 50 – 59 seperti berikut:

Number Nombor	Indicator Indikator
1	Strongly Disagree Sangat Tidak Bersetuju

Number <i>Nombor</i>	Indicator <i>Indikator</i>
2	Disagree <i>Tidak Bersetuju</i>
3	Neutral <i>Berkecuali</i>
4	Agree <i>Bersetuju</i>
5	Strongly Agree <i>Sangat Bersetuju</i>

7. Trust

7. *Kebolehpercayaan*

No.	Item	Scale				
		1	2	3	4	5
50.	I believe in PPP program <i>Saya percaya dengan program PPP</i>					
51.	PPP is a fair deal between all parties <i>PPP adalah merupakan perjanjian adil di antara semua pihak</i>					
52.	The procurement process in PPP is transparent and fair <i>Proses perolehan PPP adalah telus dan adil</i>					
53.	I believe PPP is a secure deal <i>Saya percaya PPP adalah perjanjian yang selamat</i>					
54.	The government provides adequate and relevant information about PPP project <i>Kerajaan menyediakan maklumat yang cukup dan bersesuaian bagi projek PPP</i>					
55.	The government will inform and provide explanation on any changes of PPP policy. <i>Kerajaan akan memaklumkan dan menyediakan penerangan ke atas sebarang perubahan polisi PPP.</i>					
56.	The government has the competence to represent community interest <i>Kerajaan mempunyai kompetensi dalam mewakili kepentingan komuniti</i>					
57.	The government has the expert people to manage PPP effectively. <i>Kerajaan mempunyai tenaga pakar bagi mengurus PPP secara berkesan</i>					
58.	The government is doing a good job in facilitating PPP projects <i>Kerajaan melaksanakan tanggungjawab yang berkesan dalam membantu projek PPP.</i>					
59.	All parties will uphold/abide by the PPP concession agreement <i>Semua pihak akan berpegang/patuh kepada perjanjian konsesi PPP.</i>					

SECTION F: Involvement

SEKSYEN F: Penglibatan

The statement is to describe the **involvement behaviour (actual behaviour) in Public-Private Partnership (PPP)**. Please state the **level of agreement** on the following items based on the scale below. Here are the guidelines of the scale for **Question 60 - 65**:

Kenyataan berikut menerangkan tingkah laku penglibatan (tingkah laku sebenar) di dalam PPP. Sila tandakan tahap persetujuan berdasarkan kenyataan di bawah mengikut skala yang diberikan. Skala bagi Soalan 36 – 49 seperti berikut:

Number <i>Nombor</i>	Indicator <i>Indikator</i>
1	Strongly Disagree <i>Sangat Tidak Bersetuju</i>
2	Disagree <i>Tidak Bersetuju</i>
3	Neutral <i>Berkecuali</i>
4	Agree <i>Bersetuju</i>
5	Strongly Agree <i>Sangat Bersetuju</i>

8. Involvement (INV)

8. Penglibatan

No	Item	Scale				
		1	2	3	4	5
60.	My involvement in PPP is increasing <i>Penglibatan saya di dalam PPP adalah meningkat</i>					
61.	PPP is less risky for private companies compared to the conventional procurement contract <i>PPP adalah kurang berisiko jika dibandingkan dengan kontrak perolehan konvensional.</i>					
62.	In PPP, my company generates secure and long-lasting revenues <i>Di dalam PPP, syarikat saya memperolehi keuntungan yang terjamin dan berpanjangan.</i>					
63.	I have a vast opportunity to explore advanced technology and innovation through PPP <i>Saya mempunyai peluang yang luas untuk meneroka teknologi maju dan inovasi melalui PPP</i>					
64.	I have the opportunity to create bigger market share in the industry through PPP <i>Saya berpeluang untuk mempunyai pasaran saham industri yang besar melalui PPP</i>					
65.	I can create a good corporate image for the company through PPP projects <i>Saya dapat mewujudkan korporat imej yang baik untuk syarikat melalui projek PPP.</i>					

THANK YOU ON YOUR KIND COOPERATION.
TERIMA KASIH ATAS KERJASAMA ANDA.

**APPENDIX 2: Experts' Endorsement on Construct Questionnaire
(Face and Content Validation)**



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**FACULTY OF ECONOMICS AND MUAMALAT (FEM)
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA**

**EXPERT'S ENDORSEMENT
ON CONSTRUCT SURVEY**

**RESEARCH TOPIC:
INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN PUBLIC-
PRIVATE PARTNERSHIP (PPP) ON TOLL EXPRESSWAY PROJECTS IN
MALAYSIA**

EXPERT'S NAME : DR. KHAIRUS MASNAN ABDUL KHALID
FIELD : PUBLIC-PRIVATE PARTNERSHIP (PPP)
DESIGNATION : DEPUTY DIRECTOR GENERAL (DEVELOPMENT I)
ORGANISATION : PUBLIC PRIVATE PARTNERSHIP (PPP) UNIT
MINISTRY OF FINANCE MALAYSIA

SIGNATURE :

DR. KHAIRUS MASNAN B. ABDUL KHALID
Timbalan Ketua Pengarah (Pembangunan I)
Unit Kerjasama Awam Swasta (UKAS)

OFFICIAL STAMP :

DATE :

26/3/19

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ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA**




**FACULTY OF ECONOMICS AND MUAMALAT (FEM)
 ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA**

**EXPERT'S ENDORSEMENT
 ON CONSTRUCT SURVEY**

**RESEARCH TOPIC:
 INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN PUBLIC-
 PRIVATE PARTNERSHIP (PPP) ON TOLL EXPRESSWAY PROJECTS IN
 MALAYSIA**

EXPERT'S NAME : DR. MAHANIM HANID
FIELD : LEAN MANAGEMENT
DESIGNATION : SENIOR LECTURER
**ORGANISATION : FACULTY OF BUILT ENVIRONMENT
 UNIVERSITY OF MALAYA**

SIGNATURE :


 Dr Mahanim Hanid
 Pensyarah
 Jabatan Ukur Ertahan
 UNIVERSITI MALAYSIA

OFFICIAL STAMP :

DATE :

**FACULTY OF ECONOMICS AND MUAMALAT (FEM)
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EXPERT'S ENDORSEMENT
ON CONSTRUCT SURVEY

RESEARCH TOPIC:
INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN PUBLIC-
PRIVATE PARTNERSHIP (PPP) ON TOLL EXPRESSWAY PROJECTS IN
MALAYSIA

EXPERT'S NAME : DR. OTHMAN MOHAMED
FIELD : PROJECT MANAGEMENT
DESIGNATION : LECTURER
ORGANISATION : FACULTY OF BUILT ENVIRONMENT
UNIVERSITY OF MALAYA

SIGNATURE :

OFFICIAL STAMP :

Dr. Othman Mohamed
Pensyarah
Jabatan Ukur Bahan
Fakulti Alam Bina
UNIVERSITI MALAYA

DATE :

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EXPERT'S ENDORSEMENT
ON CONSTRUCT SURVEY

RESEARCH TOPIC:
INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN PUBLIC-
PRIVATE PARTNERSHIP (PPP) ON TOLL EXPRESSWAY PROJECTS IN MALAYSIA

EXPERT'S NAME : DR. ASMAWI NOOR SAARANI
FIELD : ECONOMICS AND FINANCE
DESIGNATION : SENIOR PRINCIPAL ASSISTANT DIRECTOR
ORGANISATION : MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY
(MITI)

SIGNATURE : 
OFFICIAL STAMP : 
DATE :

FACULTY OF ECONOMICS AND MUAMALAT (FEM)
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA

APPENDIX 3: Certificate of Proofreading by MPWS Training Centre



CERTIFICATE OF PROOFREADING

THIS IS TO ACKNOWLEDGE THAT THE THESIS CHAPTER 1-5 ENTITLED

**INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN
PUBLIC-PRIVATE PARTNERSHIP (PPP) TOLL EXPRESSWAY IN MALAYSIA**

WRITTEN BY

SYAROMI BIN RAMLI

HAS BEEN EDITED AND RETURNED TO THE CUSTOMER ON

11th DECEMBER 2019

A handwritten signature in black ink, appearing to read 'Intan Raihana Husin', is positioned above a dotted line.

INTAN RAIHANA HUSIN
Chief Executive Officer
MPWS RICH RESOURCES SDN BHD

UNIV

ISL

APPENDIX 4: Certificate of Attendance of Two Days Workshop on Structural Equation Modeling (SEM/AMOS) Level 2 by Prof. Dr. Zainuddin Awang



CERTIFICATE OF ATTENDANCE

PRESENTED TO

SYAROMI BIN RAMLI

FOR PARTICIPATING IN

**Two Days Workshop on Structural Equation Modeling
(SEM/AMOS) Level 2**

HELD AT

MPWS Training Centre, Bandar Baru Bangi, Selangor

ON

27-28 September 2019

A handwritten signature in black ink, appearing to read 'Intan Raihana Husin', written over a dotted line.

Intan Raihana Husin
Managing Director
MPWS RICH RESOURCES SDN BHD

A handwritten signature in black ink, appearing to read 'Prof. Dr. Zainudin Hj Awang', written over a dotted line.

Prof. Dr. Zainudin Hj Awang
Speaker

APPENDIX 5: Validation Letter on Research Analysis Techniques by Expert



REVIEW VALIDATION OF RESEARCH ANALYSIS TECHNIQUES

RESEARCHER : SYAROMI BIN RAMLI
MATRIX NO : 4150204
NAME OF SUPERVISORS: PROFESSOR DR. ZAINAL ABIDIN BIN MOHAMAD
ASSOCIATE PROFESSOR DR. KHAIRUL AKMALIAH ADHAM
FACULTY : FACULTY OF ECONOMICS AND MUAMALAT
UNIVERSITY : ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA
COURSE : DOCTOR OF PHILOSOPHY IN ECONOMICS AND MUAMALAT
THESIS TOPIC : INFLUENCING FACTORS OF INVOLVEMENT PRIVATE SECTORS IN
PUBLIC-PRIVATE PARTNERSHIP (PPP) ON TOLL EXPRESSWAY
PROJECTS IN MALAYSIA

I, Dr. Nik Nadian Nisa binti Nik Nazli hereby certify that the above research analysis technique particularly on structural equation modelling (SEM) using the AMOS (Analysis of Moment Structures) software have been validated and checked by myself. The researcher, Syaromi bin Ramli also ever obtained special consultation on the technique of analysis and report writing in line with the objectives and research question of the thesis.

Thank you.

Dr. Nik Nadian Nisa Nik Nazli
Lecturer
Business School,
Universiti Kuala Lumpur

.....
Dr. Nik Nadian Nisa Nik Nazli

APPENDIX 6: Table of Probabilities for the Chi-Squared Distribution



Table of Probabilities for the Chi-Squared Distribution

df	Alpha Risk													
	0.995	0.990	0.975	0.95	0.9	0.75	0.5	0.25	0.1	0.05	0.25	0.01	0.005	0.001
1	0.000039	0.000157	0.000982	0.00393	0.0158	0.102	0.455	1.323	2.706	3.841	1.323	6.635	7.879	10.828
2	0.010	0.020	0.051	0.103	0.211	0.575	1.386	2.773	4.605	5.991	2.773	9.210	10.597	13.816
3	0.072	0.115	0.216	0.352	0.584	1.213	2.366	4.108	6.251	7.815	4.108	11.345	12.838	16.266
4	0.207	0.297	0.484	0.711	1.064	1.923	3.357	5.385	7.779	9.488	5.385	13.277	14.860	18.467
5	0.412	0.554	0.831	1.145	1.610	2.675	4.351	6.626	9.236	11.070	6.626	15.086	16.750	20.515
6	0.676	0.872	1.237	1.635	2.204	3.455	5.348	7.841	10.645	12.592	7.841	16.812	18.548	22.458
7	0.989	1.239	1.690	2.167	2.833	4.255	6.346	9.037	12.017	14.067	9.037	18.475	20.278	24.322
8	1.344	1.646	2.180	2.733	3.490	5.071	7.344	10.219	13.362	15.507	10.219	20.090	21.955	26.124
9	1.735	2.088	2.700	3.325	4.168	5.899	8.343	11.389	14.684	16.919	11.389	21.666	23.589	27.877
10	2.156	2.558	3.247	3.940	4.865	6.737	9.342	12.549	15.987	18.307	12.549	23.209	25.188	29.588
11	2.603	3.053	3.816	4.575	5.578	7.584	10.341	13.701	17.275	19.675	13.701	24.725	26.757	31.264
12	3.074	3.571	4.404	5.226	6.304	8.438	11.340	14.845	18.549	21.026	14.845	26.217	28.300	32.909
13	3.565	4.107	5.009	5.892	7.042	9.299	12.340	15.984	19.812	22.362	15.984	27.688	29.819	34.528
14	4.075	4.660	5.629	6.571	7.790	10.165	13.339	17.117	21.064	23.685	17.117	29.141	31.319	36.123
15	4.601	5.229	6.262	7.261	8.547	11.037	14.339	18.245	22.307	24.996	18.245	30.578	32.801	37.697
16	5.142	5.812	6.908	7.962	9.312	11.912	15.338	19.369	23.542	26.296	19.369	32.000	34.267	39.252
17	5.697	6.408	7.564	8.672	10.085	12.792	16.338	20.489	24.769	27.587	20.489	33.409	35.718	40.790
18	6.265	7.015	8.231	9.390	10.865	13.675	17.338	21.605	25.989	28.869	21.605	34.805	37.156	42.312
19	6.844	7.633	8.907	10.117	11.651	14.562	18.338	22.718	27.204	30.144	22.718	36.191	38.582	43.820
20	7.434	8.260	9.591	10.851	12.443	15.452	19.337	23.828	28.412	31.410	23.828	37.566	39.997	45.315
21	8.034	8.897	10.283	11.591	13.240	16.344	20.337	24.935	29.615	32.671	24.935	38.932	41.401	46.797
22	8.643	9.542	10.982	12.338	14.041	17.240	21.337	26.039	30.813	33.924	26.039	40.289	42.796	48.268
23	9.260	10.196	11.689	13.091	14.848	18.137	22.337	27.141	32.007	35.172	27.141	41.638	44.181	49.728
24	9.886	10.856	12.401	13.848	15.659	19.037	23.337	28.241	33.196	36.415	28.241	42.980	45.559	51.179
25	10.520	11.524	13.120	14.611	16.473	19.939	24.337	29.339	34.382	37.652	29.339	44.314	46.928	52.620
26	11.160	12.198	13.844	15.379	17.292	20.843	25.336	30.435	35.563	38.885	30.435	45.642	48.290	54.052
27	11.808	12.879	14.573	16.151	18.114	21.749	26.336	31.528	36.741	40.113	31.528	46.963	49.645	55.476
28	12.461	13.565	15.308	16.928	18.939	22.657	27.336	32.620	37.916	41.337	32.620	48.278	50.993	56.892
29	13.121	14.256	16.047	17.708	19.768	23.567	28.336	33.711	39.087	42.557	33.711	49.588	52.336	58.301
30	13.787	14.953	16.791	18.493	20.599	24.478	29.336	34.800	40.256	43.773	34.800	50.892	53.672	59.703
40	20.707	22.164	24.433	26.509	29.051	33.660	39.335	45.616	51.805	55.758	45.616	63.691	66.766	73.402
50	27.991	29.707	32.357	34.764	37.689	42.942	49.335	56.334	63.167	67.505	56.334	76.154	79.490	86.661
60	35.534	37.485	40.482	43.188	46.459	52.294	59.335	66.981	74.397	79.082	66.981	88.379	91.952	99.607
70	43.275	45.442	48.758	51.739	55.329	61.698	69.334	77.577	85.527	90.531	77.577	100.425	104.215	112.317
80	51.172	53.540	57.153	60.391	64.278	71.145	79.334	88.130	96.578	101.879	88.130	112.329	116.321	124.839
90	59.196	61.754	65.647	69.126	73.291	80.625	89.334	98.650	107.565	113.145	98.650	124.116	128.299	137.208
100	67.328	70.065	74.222	77.929	82.358	90.133	99.334	109.141	118.498	124.342	109.141	135.807	140.169	149.449

Right Tailed Distribution, $df = \text{degrees of freedom} = (\#Rows - 1) \times (\#Columns - 1)$
 Chi Square Table of Probabilities:

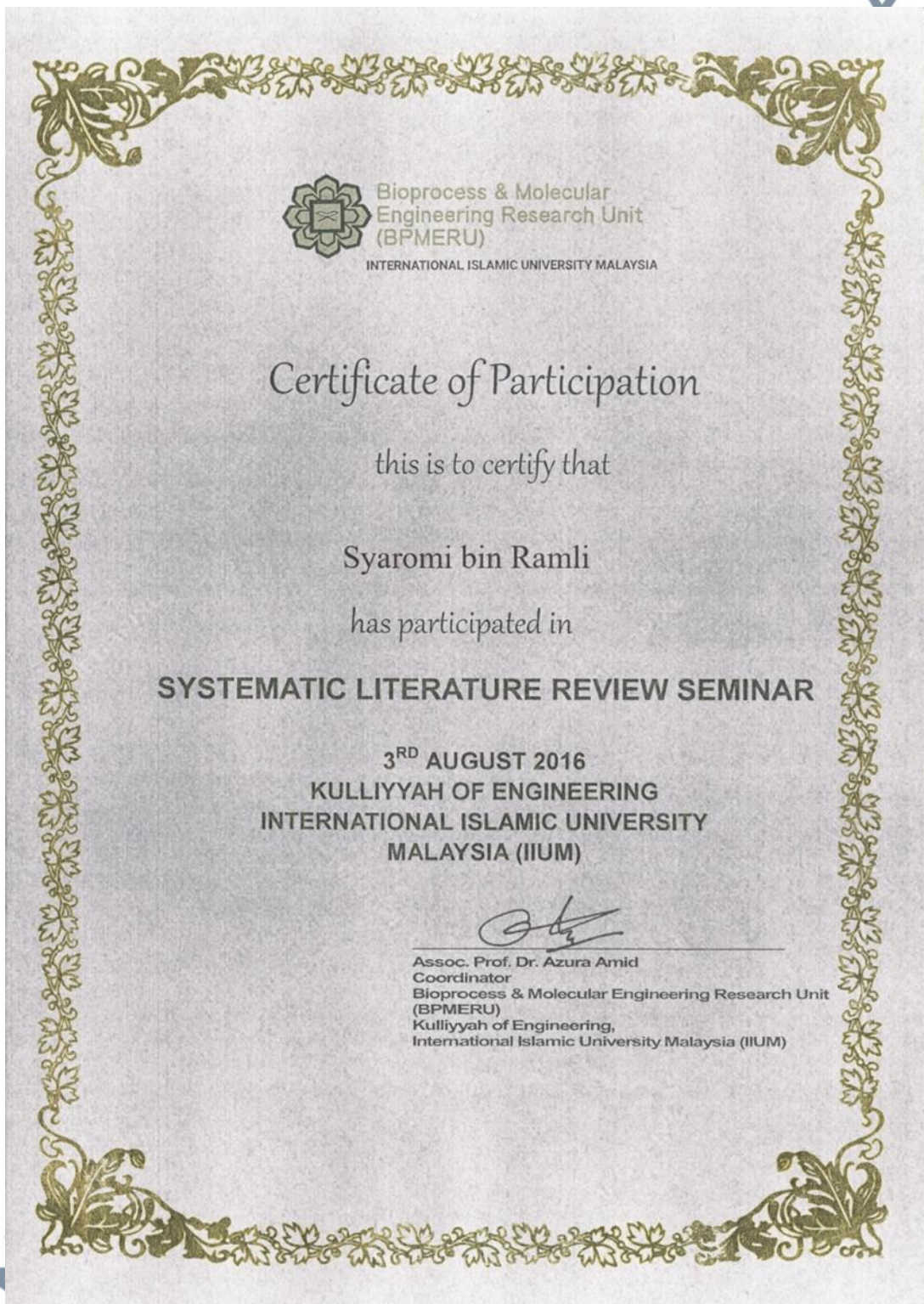
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APPENDIX 7: Bengkel Penulisan Thesis Pantas & Pengurusan Artikel




APPENDIX 8: SYSTEMATIC LITERATURE REVIEW SEMINAR



APPENDIX 9: Certification for Article Publication under Scopus Journal





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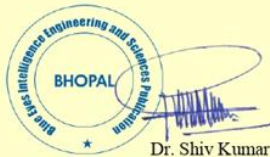

CERTIFICATE

This certifies that the research paper entitled ‘**Understanding of CSFs in the application of Public-Private Partnership (PPP) Toll expressway in Malaysia**’ authored by ‘**Syaromi Ramli, Zainal Abidin Mohamed**’ was reviewed by experts in this research area and accepted by the board of ‘Blue Eyes Intelligence Engineering and Sciences Publication’ which has published in ‘**International Journal of Innovative Technology and Exploring Engineering (IJITEE)**’, ISSN: 2278–3075 (Online), Volume-9 Issue-1, November 2019, Page No. 2082-2087.

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Jitendra Kumar Sen
(Manager)



Dr. Shiv Kumar
(CEO)



APPENDIX 10: Certification of Best Presenter at Conference (NACOSS IV)

CERTIFICATE OF PARTICIPATION



the certificate is presented to

SYAROMI RAMLI

**THE EVOLUTION, ISSUES AND CHALLENGES OF PUBLIC PRIVATE
PARTNERSHIPS (PPP) ON EXPRESSWAYS IN MALAYSIA**

as

BEST PRESENTER

**in National Conference on the Humanities and Social
Sciences 2019**

(NACOSS IV)

**17 April 2019
Universiti Sains Islam Malaysia**

**Heartiest thanks from
Academic International Dialogue (AID)
Conference**



APPENDIX 11: Certification of Participation at Conference (NACOSS IV)

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SYAROMI RAMLI

**THE DEVELOPMENT AND VALIDATION OF NEW
QUESTIONNAIRE: TO EVALUATE THE INFLUENCING
FACTORS ON THE INVOLVEMENT OF PRIVATE
SECTORS TOWARDS PUBLIC PRIVATE PARTNERSHIP (PPP)**

as

PRESENTER

in National Conference on the Humanities and Social
Sciences 2019

(NACOSS IV)

17 April 2019
Universiti Sains Islam Malaysia

Heartiest thanks from
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