



## PERSONAL DETAILS

**Name** : Haryati binti Yaacob  
**Gender** : Female  
**Date of Birth/Age** : 31st January 1979  
**Nationality** : Malaysian  
**Marital Status** : Married  
**Permanent Address** : 33, Jalan Pulau Indah 5/13, Taman Pulau Indah, 81110, Johor.  
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**Website** : <https://people.utm.my/haryatiyaacob>  
**ID Staff** : 8727  
**Expertise** : Highway Material, Road Surface Characteristic, Pavement Sustainability  
**H-Index (WOS)** : 11  
**H-Index (SCOPUS)** : 14  
**H-Index (G. Scholar)** : 18  
**H-Index (Researchgate)** : 29.88

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1.	Ph.D	Civil Engineering	University of Ulster, United Kingdom	2002	2006
2.	M.Eng	Highway Management and Engineering	University of Birmingham, United Kingdom	2001	2002
3.	B.Eng	Civil Engineering	Universiti Teknologi Malaysia	1998	2001
4.	Sijil Pelajaran Malaysia (SPM)	Pure Science	Sekolah Seri Puteri, Kuala Lumpur	1997	1998

## AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	5
National Awards/Honors	5
UTM Awards/Honors	13
Faculty Awards/Honors	9

<b>NO</b>	<b>AWARD</b>	<b>LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)</b>	<b>YEAR</b>
1.	Pencapaian Cemerlang KPI FE Gold 2	UNIVERSITY	2021
2.	Award of excellence: MKAQ1053-01 Pavement Design and Construction in Recognition of Valuable Contribution Active Blended Learning Course in Sem 2-2020/2021.	UNIVERSITY	2021
3.	Award of excellence: Civil Engineering Laboratory 2 in Recognition of Valuable Contribution Active Blended Learning Course in Sem 2- 2020/2021	UNIVERSITY	2021
4.	Gold Award in Asia International Exhibition 2021- Asphalt-FWB	UNIVERSITY	2021
5.	Gold Award in Malaysia Techonology Expo – Sustainable Development Goals International Innovation Awards 2021 - Asphalt-FWB	UNIVERSITY	2021
6.	Bronze Award in Creation, Innovation, Technology & Research Exposition 2021, UMP- Nano Charcoal Ash: Environmentally Pavement.	NATIONAL	2021
7.	Award of excellence: MKAQ1053-01 Pavement Design and Construction in Recognition of Valuable Contribution Active Blended Learning Course in Sem 1-2020/2021.	UNIVERSITY	2021
8.	Award of excellence: SEAA2832-01 Highway Engineering in Recognition of Valuable Contribution Active Blended Learning Course in Sem 1- 2020/2021.	UNIVERSITY	2021
9.	Gold medal in ITEX 2020- Maltenator.	INTERNATIONAL	2020
10.	Best Paper Award in 2nd International Seminar on Sustainable Construction Engineering (ISSCE2020).	INTERNATIONAL	2020
11.	Award of excellence: SKAA4813-01 Advanced Highway Engineering in Recognition of Valuable Contribution Active Blended Learning Course in Sem 2-2019/2020.	UNIVERSITY	2020
12.	Award of excellence: SKAB 3012-01 Civil Engineering Laboratory 2 in Recognition of Valuable Contribution Active Blended Learning Course in Sem 2- 2019/2020.	UNIVERSITY	2020
13.	Bronze Medal in INATEX 2019- Maltenator.	NATIONAL	2019
14.	Anugerah Perkhidmatan Cemerlang, Fakulti Kejuruteraan 2018.	UNIVERSITY	2019
15.	Anugerah Kumpulan Penyelidikan Terbaik – PTRG.	FACULTY	2018

16.	Anugerah Kepujian Dekan 2017.	FACULTY	2018
17.	Anugerah Pengajaran dalam Anugerah Kualiti FKA 2017.	FACULTY	2018
18.	Silver Award in Malaysian Road Conference (MRC) 2018 – Bio Asphalt.	NATIONAL	2018
19.	Silver Award in Malaysian Road Conference (MRC) 2018- Waste Engine Oil in Warm Mix Asphalt.	NATIONAL	2018
20.	Anugerah Khas (Swa Akreditasi).	FACULTY	2017
21.	Awarded by Elsevier as Outstanding Contribution in Reviewing.	INTERNATIONAL	2016
22.	Bronze Medal in Innovative Practices in Higher Education Expo ( I-PHEX) 2015- Integrated Design Project.	INTERNATIONAL	2015
23.	Anugerah Perkhidmatan Khas Jawatankuasa ISO 9001:2008.	UNIVERSITY	2015
24.	Best Paper Award on the 1st Interenational Conference on Engineering, Technology and Aplied Business (ICETAB).	INTERNATIONAL	2014
25.	Silver Award in Malaysian Road Conference (MRC) 2014 – My GHI Manual.	NATIONAL	2014
26.	Augerah Penghargaan Khas Jawatankuasa Self Assesment : Anugerah Kualiti Akademik 2013.	FACULTY	2014
27.	Anugerah Perkhidmatan Cemerlang Citra Karisma.	UNIVERSITY	2014
28.	Anugerah Kualiti FKA 2012 – AJK Dokumentasi Pasca Siswazah.	FACULTY	2013
29.	Anugerah Kualiti FKA 2012 - AJK MQA.	FACULTY	2013
30.	Anugerah Kualiti FKA 2012- AJK Anugerah Kualiti Akademik.	FACULTY	2013
31.	Anugerah Penghargaan Khas Makmal/ Unit Cemerlang.	FACULTY	2012
32.	Anugerah Perkhidmatan Cemerlang UTM.	UNIVERSITY	2006

## WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1.	Senior Lecturer	Mei 2009	Present	Universiti Teknologi Malaysia (UTM)
2.	Lecturer	Dec 2002	Mac 2013	Universiti Teknologi Malaysia (UTM)
3.	Tutor	Mei 2001	Dec 2002	Universiti Teknologi Malaysia (UTM)

## PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	-
National Professional Membership / Qualifications / Recognition	3

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1.	Malaysian Board of Technologist (MBOT) (Membership No: PT180800592011)	National	Professional Technologist	2018 – present
2.	Board of Engineer Malaysia (BEM) (Membership No: G1187161A)	National	Member	2014 – present
3.	Road Engineering Association of Malaysia (Membership No: O.2826)	National	Member	2007 – Present

## ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1.	GUP Proposal Assessment Panel – The Effects of Coconut Shell on the Engineering Properties and Performance of Porous Asphlat.	2014	2014	Universiti Teknologi Malaysia
2.	Penggubal Soalan Jabatan Peperiksaan Perkhidmatan Staff	2012	2012	School of Civil Engineering
3.	Tenaga Pengajar utk Kuliah Intensif Peperiksaan Khas Juruteknik	2012	2012	School of Civil Engineering
4.	Head of Transportation Laboratory	2010	2012	School of Civil Engineering
5.	Laboratory Assistant Coordinator	2008	2010	School of Civil Engineering

## CONSULTATION WORKS

Summary	
Consultation Project-UTM	2 (RM 226,761.20)
Consultation Project- Others	-

No.	Year	Title	Value	Vot
1.	2019	GEOTROPIKA-ICHITRA 2019	RM 146261.00	NA-UTM
2.	2018	SEPKA-ISEED 2018	RM 80500.00	NA-UTM

**INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE**

Summary	
International Committee	24
National Committee	5
University Committee	11
Faculty Committee	37
Community Committee	1

**International**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	6th International Conference on Civil Engineering and Materials Science	Technical Committee	2020	2020
2.	International Conference on Energy and Materials and Applications (ICEMA)	Technical Committee	2020	2020
3.	International Seminar on Sustainable Construction Engineering (ISSCE2020)	Scientific Committee	2020	2020
4.	4th International Conference on Civil Engineering and Materials Science (ICCEMS 2019)	Technical Committee	2019	2019
5.	International Conference on Sustainable and Renewable Energy Engineering	Technical Committee	2019	2019
6.	3rd International Conference on Civil Engineering and Architecture.	Committee	2019	2019
7.	Publication Geochitra 2019.	Technical Committee	2019	2019
8.	1st International Conference on Highway and Transportation Engineering, FKA	Committee (Publication)	2018	2018
9.	Joint International Conference SEPKA-ISEED	Committee	2018	2018
10.	International Conference on Geological and Civil Engineering	Technical Committee	2017	2017
11.	International UTM Bridge	Committee (Emcee)	2017	2017
12.	Joint International Conference SEPKA-ISEED	Committee	2017	2017
13.	3rd International Conference On Civil Engineering And Material Sciences	Technical Committee	2017	2017
14.	International Conference SEPKA-ISEED	Committee	2016	2016
15.	International Conference on Getropika 2016	Committee	2016	2016
16.	Jurnal Teknologi Vol 78 no 7-3 dan 7-2	Editor	30/6/2016	31/12/2016
17.	Editorial Board Jurnal Teknologi - special edition (transportation behaviour and human factors)	Editor	11/5/2015	31/12/2015
18.	International Training for RBDC Engineers Quality Assurance of Road Construction. -	Speakers	2/10/2014	13/11/ 2014
19.	Penyediaan Kurikulum untuk Universiti islam Madinah	Committee	1/12/2014	31/12/2014

20.	Malaysia Polymer International Conference (MPIC 2013)	Member of International Advisory Committee	25/9/2013	26/9/2013
21.	International Conference on Advanced Materials Science and Technology (ICAMST), Yogyakarta, Indonesia	Advisory Board	17/9/2013	18/9/2013
22.	International Conference on Geotechnical and Highway Engineering, (GETROPIKA 2010).	Committee	2009	2010
23.	International Conference on Science and Technology (ICSTIE2008): Applications in Industry and Education	Editor	2008	2008
24.	International Conference on Geotechnical and Highway Engineering, (GETROPIKA 2008).	Secretary	2007	2008

### National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Pavement and Transportation Research Group (PTRG) Sharing Session 2 & 4.	Moderator	1/1/2020	31/12/2020
2.	Jabatan berkaitan Myra Section H	Coordinator	2017	2017
3.	National Research and Innovation Conference (NRICON)	Scientific Committee	2016	2016
4.	Kursus Pavement Forensic Investigation	Fasilitator	6/8/2015	8/8/2015
5.	Seminar on Civil Engineering Research (SEPKA)	Committee	2007	2007

### University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Kursus MKAQ1113	Coordinator	1/1/2020	31/12/2020
2.	Kursus MKAQ 1053 Pavement Design And Construction	Coordinator	1/1/2020	31/12/2020
3.	Master Of Engineering (Transportation)	Coordinator	1/1/2020	31/12/2020
4.	Kursus SKAB 4813: Advanced Highway Engineering	Coordinator	1/1/2020	31/12/2020
5.	Akademik Pengajian Siswazah	Committee	2020	2020
6.	Kebolehpasaran Graduan Universiti	Committee	2020	2020
7.	Proposal GUP Tier 2 2019/1 Niche Area Innovative Engineering	Technical Panel	1/1/2019	31/12/2019
8.	Kursus SKAB 4813: Advanced Highway Engineering	Coordinator	1/1/2018	31/12/2018
9.	'Jom Patching Jalan' Program, UTM Community Engagement	Committee	2016	2016
10.	Proceedings of IIES 2014 (1 paper)	Reviewer	24/9/2014	24/9/2014

11.	Jurnal Teknologi – Special Edition (Highway And Transportation)	Editorial Board	21/5/2014	31/12/2014
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**Faculty**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Kursus SKAB 4813 -Advanced Highway Engineering	Coordinator	1/1/2021	31/12/2021
2.	Program Future Ready Educators	Committee	2020	2020
3.	MyRA bagi Section G: Networking and Linkages	Coordinator	1/1/2019	31/12/2019
4.	Akademik Pengajian Siswazah	Committee	2018	2018
5.	Kurikulum dan Silibus Pengajian Siswazah	Committee	2018	2018
6.	Task Force Laporan EAC	Committee	2018	2018
7.	Task Force FKA- Alumni	Committee	2017	2017
8.	Hari Kualiti FKA	Committee	2017	2017
9.	3 Minit Tesis (3MT)	Panel	2017	2019
10.	Jabatan berkaitan myra section D: Quantity and quality of postgraduates FKA	Coordinator	2016	2016
11.	Peperiksaan dan Pengajaran ISO 9001: 2008	Committee	2016	2016
12.	Sessi Prebiu Dan Kaunseling Program Luar Secara Separuh Masa	Expertise	2016	2016
13.	Program Syarahan Perdana Profesor bertajuk "Green technology in pavement engineering" oleh Prof Dr Mohd Rosli Hainin.	Committee	2015	2015
14.	Kursus Kompetensi Dalaman Makmal Geoteknik dan Pengangkutan	Speaker	11/2/2014	14/2/2014
15.	ISO 9001-2008	Committee	30/1/2014	14/2/2014
16.	MQA	Committee	2013	2013
17.	Dokumentasi Pasca Siswazah	Committee	2013	2013
18.	Berita Laman Web Rasmi, FKA	Coordinator	1/7/2013	30/5/2015
19.	Program MKAQ1053	Coordinator	2012	2020
20.	Anugerah Kualiti Akademik	Committee	2012	2013
21.	Research Skill	Committee	1/1/2012	31/12/2013
22.	Facility P & P	Committee	1/1/2012	31/12/2013
23.	Kursus Pengendalian Makmal FKA	Tenaga pengajar	13/6/2011	17/6/2011
24.	Academic Guidelines Books for Postgraduate Program	Committee	21/2/2011	26/8/2011
25.	Facility	Committee	21/2/2011	26/8/2011
26.	Keselamatan dan Kesihatan, OSH	Committee	21/2/2011	26/8/2011
27.	Course SAB 2832 (Highway Engineering)	Coordinator	2011	2011
28.	Program Msc (Transportation)	Coordinator	2010	Present
29.	'How to Get Yourself Employed' Program	Committee	2008	2010
30.	Corporate Communication and Internationalization	Secretary	1/9/2009	31/8/2011
31.	Post-Graduate Academic	Committee	1/9/2009	31/8/2011
32.	Laboratory	Committee	1/9/2009	31/8/2011
33.	ISO 9000:2008	Committee	1/9/2009	31/8/2011

34.	Kursus SKAB 4813 -Advanced Highway Engineering	Coordinator	7/2008	5/2009
35.	Seminar on an introduction of Geophysics for Engineering Practice	Committee	2008	2008
36.	Examination procedure, Faculty Quality Assurance, ISO 9001:2000	Leader	2007	2008
37.	Task-Force Anugerah Penerbitan UTM	Committee	2007	2007

### **Community**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Video Conferencing with Sekolah Tun Fatimah	Panels	17/8/2011	17/8/2011

### **SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES**

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1.	Seminar TIPCO Asphalt 2016, Kemaman Bitumen Company Sdn Bhd	Grand Bluewave, Johor Bharu, Johor	19/5/2016	19/5/2016
2.	Seminar Cawangan Jalan 2015, Towards Developed Nation 2020 – Transforming Our Road Infrastructure	Dewan Tan Sri Mahfaz Khalid, Kementerian Kerja Raya Malaysia	11/11/2015	12/11/2015
3.	Pavement Forensic Investigation	Fakulti Kejuruteraan Awam, UTM	6/10/2015	8/10/2015
4.	Seminar Vendor 2015, Senai-Desaru Expressway Berhad	Perbadanan Produktiviti Malaysia, Bandar Baru Uda, Johor	15/4/2015	15/4/2015
5.	4th I-Geo Seminar Series “Pavement Industry in Malaysia – Present and Future!”	Infrastructure University Kuala Lumpur	27/4/2015	27/4/2015
6.	The 19th National Seminar on Cerebral Palsy “Partnership for Success: Facing Uncertain Futures	M-Suites Hotel Johor Bahru	6/7/2014	7/7/2014
7.	9th Malaysian Road Conference 2014 and PIARC International Seminar on Slopes, Road Foundation Drainage and Stormwater Management	Sunway Pyramid Convention Centre Malaysia	10/11/2014	12/11/2014
8.	Training Course on Concrete Road Pavement Design 2008	Universiti Teknologi Malaysia	17/11/2008	18/11/2008
9.	Kursus In House: Kursus Leadership	Universiti Teknologi Malaysia	20/10/2008	30/10/2008
10.	Bengkel Semakan Soalan Peperiksaan Akhir (Level of Taxanomi) Semester 1, Sesi 2008/2009	Universiti Teknologi Malaysia	8/9/2008	8/9/2008
11.	Kursus Pembelajaran Aktif Formal (Pembelajaran Berpasukan)	Universiti Teknologi Malaysia	28/8/2008	29/8/2008
12.	Kursus Penulisan Kerja Asli	Universiti Teknologi Malaysia	12/8/2008	14/8/2008
13.	Program Pembangunan Modal Insan – Cabaran Ahli Sunnah wal Jamaah	Universiti Teknologi Malaysia	19/6/2008	19/6/2008



14.	International Seminar on Civil and Infrastructure Engineering (ISCIE) 2008	Universiti Teknologi Malaysia	11/6/2008	12/6/2008
15.	Kursus Pembangunan Laman Web bagi tujuan pengajaran dan pembelajaran (P&P)	Universiti Teknologi Malaysia	10/9/2007	11/9/2007
16.	Kursus penasihat akademik fakulti	Universiti Teknologi Malaysia	6/7/2007	8/7/2007
17.	Kursus penasihat akademik pelajar tahun satu bagi sesi 2007/2008	Universiti Teknologi Malaysia	5/7/2007	5/7/2007
18.	Kursus Induksi UTM Siri 1/2007	Universiti Teknologi Malaysia	28/5/2007	13/6/2007
19.	Kursus Pembelajaran Aktif (Cooperative Learning)	Universiti Teknologi Malaysia	22/5/2007	24/5/2007
20.	Kursus Pembelajaran Dewasa (Adult learning)	Universiti Teknologi Malaysia	23/3/2007	23/3/2007
21.	Bengkel Perancangan Strategik 2007 FKA	Universiti Teknologi Malaysia	13/2/2007	15/2/2007
22.	Kursus kaedah penyelidikan	Universiti Teknologi Malaysia	6/2001	6/2001

## RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	-
Principal Investigator- National Grants	<b>3 projects (RM233,300)</b>
Principal Investigator- UTM Grants	<b>5 projects (RM201,800)</b>
Member- International Grants	-
Member- National Grants	<b>16 projects (RM1,237,875.00)</b>
Member- UTM Grants	<b>25 projects (RM1,712,500)</b>

### *As a principal investigator*

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Microstructural Behaviour for Reversible Moisture Damage in Flooded Asphalt Mixture	Project Leader	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	61000	1/1/2019	30/9/2021	R.J130000.7851.5F019
2.	Prediction on the Remaining Strength of Flooded Asphalt Mixture	Project Leader	UTM	TIER 1	32800	1/7/2017	30/6/2019	Q.J130000.2522.17H68
3.	Performance of Palm Oil Fuel Ash in Asphalt Emulsion	Project Leader	UTM	TIER 1	50000	1/7/2016	31/8/2018	Q.J130000.2522.14H30
4.	Traffic Accident Predictive Model Based on Pavement Conditions	Project Leader	UTM	TIER 1	50000	1/4/2014	29/2/2016	Q.J130000.2522.06H53
5.	Relationship of Tack Coat Application Factors in Assessing the Bonding	Project Leader	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	72300	1/4/2013	31/3/2015	R.J130000.7822.4F201

	Characteristics for Asphalt Paving Surfacing Layers							
6.	Behavior of Cold Stone Mastic Asphalt Using Small Nominal	Project Leader	UTM	TIER 2	34000	1/12/2012	31/12/2013	Q.J130000.2622.06J98
7.	Evaluation on the Performance of Bond Strength Between Surfacing Pavement Layers	Project Leader	UTM	TIER 2	35000	1/5/2012	30/4/2013	Q.J130000.2622.06J52
8.	Impacts of Climate Change to Frictional Properties of Road Surface	Project Leader	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	100000	1/9/2007	30/11/2009	R.J130000.7822.3F222

***As a scientific member***

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Acoustic Behaviour of Porous Asphalt Mixture	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	96246	7/9/2021	6/9/2023	R.J130000.7851.5F438
2.	The impact of road geometrical parameters on travel speed in urban area	Member	OTHERS	Industry-International Incentive Grant	20000	1/6/2021	31/5/2022	Q.J130000.3651.03M34
3.	Potential Application of Resin Polymer Residue from SURFACTOR factory	Member	OTHERS	Contract Research DTD	22000	1/9/2020	31/12/2021	R.J130000.7651.4C404
4.	Cup Lump Modified Cold Mix Asphalt for Road Patching	Member	UTM	High Impact Research	110000	1/1/2020	30/6/2023	Q.J130000.2451.09G20

5.	Effect of liquefied food waste (LFW) as bio-binder in asphalt mixture	Member	UTM	Encouragement Research	30000	1/11/2019	30/4/2022	Q.J130000.2651.17J68
6.	Impact of aggressive behaviour on speed selection by young and middle-aged drivers	Member	UTM	TIER 2	30000	1/11/2019	30/4/2022	R.J130000.2651.17J34
7.	Relationship between physical and chemical behaviour of recovered bitumen incorporating maltene as the rejuvenating agent	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	63000	1/9/2019	30/11/2022	R.J130000.7851.5F175
8.	Engineering and microstructural characteristics of lateritic soil treated with ordinary portland cement under cyclic saturated (wetting) and unsaturated (drying) conditions.	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	112000	1/9/2019	31/5/2022	R.J130000.7851.5F131
9.	Vulnerability and risk assessment for transport infrastructure	Member	UTM	Fundamental Research	72000	1/9/2019	31/5/2022	Q.J130000.2551.21H41
10.	Environmental effects on structural and cooling behavior of hot mix asphalt under compaction	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	64000	1/9/2019	31/5/2022	R.J130000.7851.5F169
11.	Structural Behaviour of Pavement Patching Work	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	66200	1/9/2019	31/5/2022	R.J130000.7851.5F170
12.	Impact of Maltene on the Performance of Asphalt	Member	UTM	TIER 2	28500	1/8/2019	31/1/2022	Q.J130000.2651.16J15

	Mixture Incorporating Recycle Material							
13.	Performance of Polymer Modified Asphlat Incorporating Activated Crumb Rubber and Polymer	Member	UTM	TIER 2	20000	1/8/2019	31/1/2022	Q.J130000.2651.16J30
14.	Projek penilaian forensik jalan bersama industri	Member	OTHERS	Business Entity	1561	1/3/2019	31/8/2020	S.J130000.0851.4Y212
15.	A Model of Parking Demand Forecast for the Malaysia Public Hospitals	Member	Ministry of Higher Education (MOHE)	Fundamental Research Grant Scheme	61400	1/1/2019	30/9/2021	R.J130000.7851.5F024
16.	Urban Heat Island effect : Thermal Response of Conventional and Modified Asphlat Pavements	Member	UTM	TIER 1	50000	1/2/2018	31/1/2020	Q.J130000.2522.19H82
17.	Green Roads and Highways Evaluation of Greenhouse Gases Emissions from Material Production and Transportation	Member	UTM	TIER 1	50000	1/2/2018	31/1/2020	Q.J130000.2522.19H98
18.	Static and Cyclic Properties of Soft Clay Stabilised with Coal Ash and Cement	Member	UTM	TIER 1	50000	1/2/2018	31/1/2020	Q.J130000.2522.19H57
19.	Carbon Footprint Calculator for Malaysian Green Highway Index (Material)	Member	OTHERS	Lembaga lebuhraya malaysia (LLM)	20000	1/12/2017	30/9/2019	R.J130000.7322.4B331
20.	Carbon Footprint Calculator for Malaysian Green Highway Index (Construction and Green Highway Initiatives)	Member	OTHERS	Lembaga lebuhraya malaysia (LLM)	50000	1/12/2017	30/9/2020	R.J130000.7322.4B326

21.	Carbon Footprint Calculator for Malaysian Green Highway Index	Member	OTHERS	Lembaga lebuhraya malaysia (LLM)	530000	1/12/2017	30/9/2019	R.J130000.7322.4B322
22.	Menaiktaraf Fasiliti Asas bagi Meningkatkan Kehidupan dan Ekonomi Asnaf	Member	Networking Grant	UTM-CCIN	11986	1/8/2017	31/8/2018	S.J130000.7322.4X283
23.	Performance of Waste Cooking Oil as an Alternative Binder for Hot Mix Asphalt	Member	UTM	TIER 1	40000	1/7/2017	30/6/2019	Q.J130000.2522.18H05
24.	Accident Predictive Model for Malaysia Rural Road	Member	UTM	TIER 1	40000	1/7/2017	30/6/2019	Q.J130000.2522.17H71
25.	Performance of Rejuvenated Recycled Asphalt Mixture	Member	UTM	TIER 2	20000	1/7/2017	30/9/2018	Q.J130000.2622.14J09
26.	Performance of Rutting, Stripping and cracking of Warm Mix Asphalt	Member	UTM	TIER 1	20000	1/7/2017	30/6/2019	Q.J130000.2522.17H69
27.	Pemindahan Teknologi Kaedah rekabentuk turapan jalan	Member	OTHERS	Business Entity	5000	1/11/2016	28/2/2017	S.J130000.0822.4Y060
28.	Performance of Carbon Neutral Material for Road Construction	Member	UTM	TIER 1	40000	1/10/2016	28/2/2018	Q.J130000.2522.15H32
29.	Penilaian Semula Rekabentuk Turapan Jalan Luar Bandar (Jalan Kampung)	Member	OTHERS	Institut Inovasi Strategik Johor	39500	15/7/2016	14/7/2017	Q.J130000.2522.15H16
30.	Utilization of Carbon Dioxide (CO <sub>2</sub> ) Emissions from Road Construction	Member	UTM	TIER 1	50000	1/2/2016	19/1/2018	Q.J130000.2522.13H00

31.	The Application of Cup Lump Rubber for Asphalt Pavement	Member	UTM	TIER 1	50000	15/11/2015	14/11/2017	Q.J130000.2522.11H76
32.	Modification of Bitumen Binder for Roads and Highways by Waste Materials	Member	UTM	TIER 1	42250	1/5/2015	31/10/2016	Q.J130000.2522.09H94
33.	Development of High Permeability and Low Noise Concrete Paving Blocks	Member	UTM	TIER 1	49750	1/5/2015	31/10/2016	Q.J130000.2522.10H02
34.	Web Based Application for Malaysian Green Highway Index	Member	OTHERS	Contract Research (LLM)	75000	1/1/2015	31/12/2016	R.J130000.7309.4B184
35.	Construction of Roads and Highways using Hazardous Industrial Waste Materials	Member	UTM	TIER 1	20000	1/7/2014	30/6/2015	Q.J130000.2509.09H33
36.	Performance of porous concrete pavement incorporating nano silica from rice husk ash	Member	UTM	Encouragement Grant	20000	1/4/2014	31/3/2015	Q.J130000.2622.09J75
37.	Development and Performance of Low Noise Concrete Block Pavement	Member	UTM	TIER 1	130000	1/12/2012	31/12/2014	Q.J130000.2522.03H47
38.	Model for Energy Efficiency, Environmental Quality and Materials used in Road Infrastructures	Member	UTM	Flagship	450000	1/8/2011	31/10/2014	Q.J130000.2409.00G22
39.	Engineering Properties Of Hot Mix Recycling Asphalt Mixtures	Member	UTM	TIER 2	40000	1/4/2011	31/10/2012	Q.J130000.2622.01J84
40.	Grooved Underside Concrete Blocks For Pavement	Member	UTM	TIER 1	130000	1/4/2011	31/3/2013	Q.J130000.2522.00H93

41.	Effectiveness of Rumble Strips Installation on Roadway	Member	UTM	TIER 1	130000	1/4/2011	31/3/2013	Q.J130000.2522.00H62
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## COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1.	MOA UTM with University of the Ryukyus, Okinawa Japan	International	1/1/2019	31/12/2019
2.	MOA UTM dan AHN VERTEX	National	1/1/2019	31/12/2019
3.	MOU between Indonesian society for Geotechnical Engineering and Faculty of Civil Engineering UTM	International	1/1/2017	31/12/2017
4.	MOU antara FKA dan HATTI	International	17/2/2016	17/2/2018
5.	MOU antara UTM dan NIT of Kagoshima	International	26/9/2016	26/9/2017
6.	Web based application for Malaysian Green Highway Index	National	28/12/2014	28/12/2016

## TEACHING ACTIVITIES

Summary	
Total Credit Hours	3719

## UNDERGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2006/2007	2	SAB 2832	Highway Engineering	2	49
2007/2008	1	SAB 2832	Highway Engineering	2	76
		SAB 4022	Final Year Pre Project	2	6
2007/2008	2	SAB 2832	Highway Engineering	2	55
		SAB 4034	Final Year Project	2	6
2008/2009	1	SAB 2832	Highway Engineering	2	63
		SAB 4022	Final Year Pre Project	2	7
2008/2009	2	SAB 2832	Highway Engineering	2	65
		SAB 4813	Advanced Highway Engineering	3	45
		SAB 4034	Final Year Project	4	7
2009/2010	1	SAB 2832	Highway Engineering	2	53
		SAB 4813	Advanced Highway Engineering	3	46
		SAB 4022	Final Year Project	2	5
2009/2010	2	SAB 2832	Highway Engineering	2	43
		SAB 4813	Advanced Highway Engineering	3	62
		SAB 4034	Final Year Project	4	5
2010/2011	1	SAB 4813	Advanced Highway Engineering	3	51
2010/2011	2	SAB 2832	Highway Engineering	2	56
		SAB 4813	Advanced Highway Engineering	3	66
		SAB 4012	Final Year Project	2	3
2011/2012	1	SAB 2832	Highway Engineering	2	50
		SAB 4813	Advanced Highway Engineering	3	59
		SAB 2012	Final Year Pre- Project	2	9
2011/2012	2	SAB 2832	Highway Engineering	2	50

2012/2013	1	SKAA 2832 SAB 2012	Highway Engineering Final Year Pre- Project	2 2	50 5
2012/2013	2	SAB 4022 SAB 4813	Research Methodology and Final Year Pre- Project Advanced Highway Engineering	2 3	4 28
2013/2014	1	SAB 4012 SAB 4813 SAB 2012 SAB 4034	Projek Amalan Profesional Advanced Highway Engineering Final Year Pre-project Final Year Project	2 3 2 4	67 37 4 4
2013/2014	2	SAB 4012 SAB 4813 SKAA 3031 SKAA 4034	Projek Amalan Profesional Advanced Highway Engineering Integrated Design Project 2 Final Year Project	2 3 2 4	107 25 85 4
2014/2015	1	SAB 4813 SAB 2832 SKAA 4022	Advanced Highway Engineering Highway Engineering Research methodology and Final Year Pre- Project	3 2 2	27 73 3
2014/2015	2	SKAA 4034 SKAA 3031 SAB 4813	Final Year Project Integrated Design Project 2 Advanced Highway Engineering	4 1 3	3 81 20
2015/2016	1	SAB 4813 SKAA 4022	Advanced Highway Engineering Final Year Pre-project	3 2	33 3
2015/2016	2	SKAA4034	Final Year Project	4	2
2016/2017	1	SKAA 4042 SKAA 4022 SKAA 4813	Integrated Design Project 3 Research methodology and Final Year Pre- Project Advanced Highway Engineering	2 2 3	38 46 26
2016/2017	2	SKAA 4813	Advanced Highway Engineering	3	18
2017/2018	1	SKAA 4813 SKAA 4042 SKAA 4022	Advanced Highway Engineering Integrated Design Project 3 Final Year Pre- Project	3 2 2	28 33 2
2017/2018	2	SKAA 4813 SKAA 2832 SKAA4034	Advanced Highway Engineering Highway Engineering Final Year Project	3 2 4	25 55 2
2018/2019	1	SKAA 4813 SAB 4022	Advanced Highway Engineering Final Year Pre- Project	3 2	24 2
2018/2019	2	SKAB 2012 SKAA 4813 SKAA4034	Civil Engineering Lab 1 Advanced Highway Engineering Final Year Project	2 3 4	49 35 2
2019/2020	1	SEAA 1011 SKAA 3012 SKAB 4022 SKAA 4813	Introduction to Civil Engineering Civil Engineering Lab 2 Final Year Pre- Project Advanced Highway Engineering	1 2 2 3	206 50 3 33
2019/2020	2	SKAB 3012 SKAA 4813 SAB 4034	Civil Engineering Lab 2 Advanced Highway Engineering Final Year Project	2 3 4	49 35 3
2020/2021	1	SEAA 1011 SEAA 2832 SKAB 3012 SAB 4022	Introduction to Civil Engineering Highway Engineering Civil Engineering Lab 2 Final Year Pre- Project	1 2 1 2	242 38 46 3
2021/2022	2	SEAA 2832	Highway Engineering	2	50

		SKAB 3012	Civil Engineering Lab 2	2	53
		SKAB 5823	Advanced Road Materials	3	20
		SAB 4034	Final Year Project	4	3
<b>Total credits</b>				<b>194</b>	<b>2791</b>

## POSTGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2009/2010	2	MAB 8023	Road Material and Maintenance	3	1
		MAP 1023	Road Material and Pavement Evaluations	3	22
2010/2011	1	MAB 8053	Pavement Design and Road Construction	3	5
		MAP 1053	Pavement Design and Road Construction	3	34
2010/2011	2	MAP 1053	Pavement Design and Road Construction	3	20
		MAP 1023	Road Material and Pavement Evaluations	3	25
2011/2012	1	MAP 1023	Road Material and Pavement Evaluations	3	24
2011/2012	2	MAP 1023	Road Material and Pavement Evaluations	3	32
2012/2013	1	MAP 1053	Pavement Design and Road Construction	3	47
2012/2013	2	MAP 1053	Pavement Design and Road Construction	3	41
2013/2014	1	MAP 1053	Pavement Design and Road Construction	3	12
2013/2014	2	MAP 1053	Pavement Design and Road Construction	3	28
		UAPA 0013	Research Methodology	3	
		UAP 0010	Research Methodology	0	60
2014/2015	1	UAP 0010	Research Methodology	0	17
		MKAQ 1053	Pavement Design and Road Construction	3	3
		UAPA 0010	Research Methodology	0	12
		UAPA 0013	Research Methodology	3	46
		MAP 1053	Pavement Design and Road Construction	3	6
2014/2015	2	UAPA 0013	Research Methodology	3	28
		UAPA 0010	Research Methodology	0	17
		UAP 0010	Research Methodology	0	6
		MKAQ 1053	Pavement Design and Road Construction	3	3
2015/2016	1	UAPA 0013	Research Methodology	3	47
		UAPA 0010	Research Methodology	0	16
		UAP 0010	Research Methodology	0	5
		MKAQ 1053	Pavement Design and Road Construction	3	3

		MAP 1053	Pavement Design and Road Construction	3	0
2015/2016	2	UAPA 0013	Research Methodology	3	35
		UAPA 0010	Research Methodology	0	13
		UAP 0010	Research Methodology	0	3
		MKAQ 1053	Pavement Design and Road Construction	3	5
2016/2017	1	MKAQ 1053	Pavement Design and Road Construction	3	7
		UAPA 0013	Research Methodology	3	
		UAPA 0010	Research Methodology	0	27
2016/2017	2	UAPA 0013	Research Methodology	3	33
		UAP 0010	Research Methodology	0	1
		MKAQ 1113	Pavement Management System	3	7
		UAPA 0010	Research Methodology	0	18
		MKAQ 1053	Pavement Design and Road Construction	3	1
2017/2018	1	UAPA 0010	Research Methodology	0	45
		UAPA 0013	Research Methodology	3	38
		MKAQ 1053	Pavement Design and Road Construction	3	4
		MKAQ 1113	Pavement Management System	3	13
2017/2018	2	MKAQ 1113	Pavement Management System	3	11
		MKAQ 1053	Pavement Design and Road Construction	3	19
2018/2019	1	MKAQ 1113	Pavement Management System	3	6
2018/2019	2	MKAQ 1053	Pavement Design and Road Construction	3	8
		MKAQ 1113	Pavement Management System	3	22
2019/2020	1	MKAQ 1053	Pavement Design and Road Construction	3	
2019/2020	2	MKAQ 1113	Pavement Management System	3	17
2020/2021	1	MKAQ 1053	Pavement Design and Road Construction	3	8
		MKAE 1043	Advanced Construction Materials	3	4
2020/2021	2	MKAE 1043	Advanced Construction Materials	3	8
		MKAQ 1023	Advanced Road Materials	3	5
		MKAQ 1113	Pavement Management System	3	10
<b>Total credits</b>				<b>129</b>	<b>928</b>

## SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	2
Co-Supervisor – PhD (Graduated)	4
Main Supervisor – PhD (Ongoing)	4
Co-Supervisor – PhD (Ongoing)	2
Main Supervisor- Master by Research (Graduated)	0
Main Supervisor- Master by Research (On-Going)	0

Main Supervisor- Master by Taught Course (Graduated)	19
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	1
Main Supervisor- Master by Mixed-Mode (On-Going)	0

### PhD Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Roles of Supervision
1.	Odubela Christiana Adebola	PKA213017	On- Going	Aplication of plastic waste in asphalt mixture containing high reclaimed asphalt pavement RAP content	Main Supervisor
2.	Li Linglong	PKA213036	On- Going	Pavement evaluation on crack failure	Main Supervisor
3.	Muhammad Arfat	PKA193047	On- Going	Recyclability Of Rejuvenated Aged Asphalt Binder In Recycle Asphalt Mixture Performance nbsp	Main Supervisor
4.	Zakariya Y Mahssin Al – Hemidaoui	PKA163052	On- Going	Effect of the liquefied product generated from food waste on asphalt performance	Co Supervisor
5.	Zaid Hazim Hussein Al-Saffar	PKA183028	Graduated	Performance of Reclaimed Asphalt Pavement Incorporating Maltene as Rejuvenator	Main Supervisor
6.	Siti Nur Amiera binti Jeffry	PKA153001	Graduated	Performance of nanocarbon from Coconut Shell Ash as Bitumen Modifier in Asphalt Mixture	Co Supervisor
7.	Ahmed Abdulameer Hussein	PKA153025	Graduated	Effect of Nano Ceramic Powder on Asphalt Binder and Mixture Properties	Co Supervisor
8.	Muhammad Naquiddin bin Mohd Warid	PA103148	Graduated	Performance of Cold Stone Mastic Asphalt Mixture	Co Supervisor
9.	Sharudin bin Ismail	PKA163002	On-going	Effect of cooling rate and compaction temperature on the performance of hot mix and warm mix asphalts	Co Supervisor
10.	Mohd Khairul Idham bin Mohd Satar	PA113037	Graduated	Recyclability of Hot Mix Asphalt Mixture	Co Supervisor

11.	Chang Fung Lung	PA113006	Graduated	Shear Bond Strength Assessment on the Malaysian Asphalt Pavement Surfacing Layer	Main Supervisor
12.	Sudesh Nair A/L Baskara	PA133056	On-going	Accident Prediction Model By Road Conditions In Malaysia	Main Supervisor

**MSc. Student**

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Mode (Research / Taught-course/ Mixed Mode)	Roles of Supervision
1.	Haslina bt Salim	MKA171090	Graduated	Accident Analysis of Lintas Road	Taught Course	Main Supervisor
2.	Muhammad Al Shafie bin Muhammad Azan	MKA181059	Graduated		Taught Course	Main Supervisor
3.	Nazizul Mubin bin Zukirnaini	MKA181060	Graduated		Taught Course	Main Supervisor
4.	Mohd Izhar bin Saibin	MKA171079	Graduated	Perception of Motorcyclist on Safe Riding in Kota Kinabalu	Taught Course	Main Supervisor
5.	Almizan bin Mohasen	MKA171076	Graduated	Analysis of Accident at Tuaran By Pass Road.	Taught Course	Main Supervisor
6.	Muhammad Arfat	MKA171150	Graduated	Reversible Moisture Damage in Asphlat Performance	Taught Course	Main Supervisor
7.	Noor Azlan Abdullah	MKA161008	Graduated	Effect of Black Rice Husk Ash on the Asphalt Mixture Under Different Aging Condition.	Taught Course	Co – Supervisor
8.	Mohammed Mansoor Mofreh Gurban	MA121235	Graduated	Influence of Flaky Aggregate on SMA	Taught Course	Main Supervisor
9.	Vrida Ingrid Velian	MA121037	Graduated	Tack Coat Evaluation	Taught Course	Main Supervisor

10.	Liew Yee Shian	MA121037	Graduated	Effect of tack coat on bonding strength	Taught Course	Main Supervisor
11.	Muhammad Faiz Abd Rahman	MA111118	Graduated	Effect of flaky aggregate on asphaltic concrete	Taught Course	Main Supervisor
12.	Mohd Arizan bin Mokhtar	MKA181053	Graduated		Taught Course	Main Supervisor
13.	Mohd Uzaini Farihan bin Mohammad Najib	MKA181057	Graduated		Taught Course	Main Supervisor
14.	Nur Hizaruddin Che Ajid	MA101062	Graduated	Effect of Moisture on Adhesion of Chip Seal	Taught Course	Main Supervisor
15.	Mohd Izzat Joohari	MA101098	Graduated	Effect of Dust on Chip Seal Adhesion	Taught Course	Main Supervisor
16.	Mohd Zul Hanif bin Mahmud	MA111108	Graduated	Influence of Flaky Aggregate on Towards Creep and Resilient Modulus on Asphalt Concrete 20	Taught Course	Main Supervisor
17.	Mohd Ibrahim Mohd Yusak	MA101405	Graduated	Effect of Long Term Oven Aging on Mechanical Properties of PMA	Taught Course	Main Supervisor
18.	Zaini Bin Abd Karim	MA101326	Graduated	Influence of Flaky Aggregate on Marshall Properties for Asphaltic Concrete AC 20 mixture	Taught Course	Main Supervisor
19.	Mohd Daud b Jarkasi	MA111115	Graduated	Influence of Aggregate Flakiness on Marshall Properties for Asphaltic Concrete (AC14) Mixture	Taught Course	Main Supervisor
20.	Marlina Samsudin	MA101059	Graduated	Effect of Different Types of Tack Coat on the Chip Seal Adhesion	Taught Course	Main Supervisor

21.	Khairul Azman Masri	MA111031	Graduated	Effect of Fine Aggregate Angularity on Rutting Resistance for AC14 10	Taught Course	Main Supervisor
22.	Izzul Ramli	MA111071	Graduated	Effect of Fine Aggregate Angularity on Rutting Resistance for AC14 14	Taught Course	Main Supervisor
23.	Zalina bt Kaliman	MA102029	Graduated	Coated Aggregate for Chip Seal Application	Mix -Mode	Main Supervisor
24.	Nazaruddin bin Jamion	MA083009	Graduated	Performance of Microsurfacing on Expressway	Reserach	Co- Supervisor
25.	Aminuddin bin Abdul Latif	MA081234	Graduated	Relationship between IRI and PSI	Taught Course	Main Supervisor
26.	Ashrif Masoud A.Saad	MA071253	Graduated	Aggregate and Binder Application Rate with Different Number of Passes for Surface Dressing Performance	Taught Course	Main Supervisor
27.	Chang Tun Hua	MA081167	Graduated	Software Development for Flexible Pavement Thickness design Based on AASHTO and Road Note 31	Taught Course	Main Supervisor
28.	Yeo Pei Pei	MA081172	Graduated	Software Development for Flexible Pavement Thickness design Based on ATJ Manual	Taught Course	Main Supervisor
29.	Mohd Khairul Idham b. Mohd satar	MA081161	Graduated	Development of Software for Ridgid Pavement Thickness	Taught Course	Main Supervisor
30.	Mohd Amin b. Shafii	MA083005	Graduated	Skid Resistance and the Effect of Temperature	Taught Course	Main Supervisor



31.	Nor Ikhwan bin Khalid	MA091120	Graduated	Adhesion on different rate of binder and aggregate for chip seal	Taught Course	Main Supervisor
32.	Mohd Noor Asyraf bin Amiruddin	MA081236	Graduated	Study on the skidding performance of stone mastic asphalt	Taught Course	Main Supervisor
33.	Sudesh Nair A/L Baskara	MA081173	Graduated	Investigation of factors affecting pendulum test value on asphaltic concrete surfaces	Taught Course	Main Supervisor
34.	Tay Lay Ting	MKA143008	Graduated	Performance of Double Layer Porous Asphalt Incorporating Coconut Shell and Coconut Fibre	Research	Co Supervisor

### ***Undergraduate Level***

1. Ramzul Majdan Bin Yaman, 2021. "Effect of different types of aggregate towards asphalt mixtures performance (ACW 14)." Final Project.
2. Peter Lau, 2021. "Effect of Different Types of Aggregate towards Asphalt Mixtures Performance." Final Project.
3. Dzen Hendra Bin Sukaimi, 2021. "Road maintenance activities and evaluation of road users' satisfaction in borneo-heights road, Kuching." Final Project.
4. Hasniza Abu Bakar, 2021. "Study on customer satisfaction towards service quality of bus public transport in Kuching." Final Project.
5. Norasfia Binti Zainal, 2021. "Perlaksanaan pemasangan pepaku jalan solar di Sarawak." Final Project.
6. Yap Shi Fan, 2020. "Effects On Bitumen Performance of Vacuum Residue Incorporating Maltene." Final Project.
7. Nurul Sahida Binti Shah Rull, 2020. "Performance of PelletRAP as Rejuvenator in Reclaimed Asphalt Pavement." Final Project.
8. Saidatun Najihan Binti Mohd Usak, 2020. "Performance of PelletRAP Rejuvenator in Recycled Asphalt Pavement (RAP)." Final Project.
9. Nazwan Bin Nor Azmi, 2020. "Prediction of remaining strength of flooded asphalt mixture." Final Project.
10. Mohamad Khairudin bin Mamat Sidek, 2019. "Prestasi bahan campuran kitar semula turapan jalan." Final Project.
11. Siti Hajar binti Roslan, 2019. "Penstabilan tanah menggunakan kapur." Final Project.

12. Muhammad Faizul bin Ismail, 2019. "Reclaimed asphalt pavement performance in cold in place recycling." Final Project.
13. Ahmad Ainol Mohklisin Bin Nurhadi, 2019. "Pelan pengurusan trafik dalam pembinaan transit aliran massa." Final Project.
14. Muhammad Hafizuddin Mohd Afandi, 2018. "Comparison study between maintain load test and dynamic load test using pda on bored piles." Final Project.
15. Nur Atiqah Binti Wahid, 2018. "Evaluation on Pavement Functional Properties for Lebuhraya Kemuning Shah Alam (LKSA)." Final Project.
16. Muhamad Akram Bin Abd Kadir, 2018. "Value engineering practice into geometric design for pan borneo highway." Final Project.
17. Siti Aisyah Binti Abdul Rasid, 2018. "Accident Studies In Melaka Tengah District." Final Project.
18. Muhammad Fadhil Bin Roslan, 2017. "Effect of condition periods on flooded aged dense graded asphaltic mixture." Final Project.
19. Nazwan Bin Nor Azmi, 2017. "Effect of condtion period on flooded dense graded asphaltic mixture." Final Project.
20. Muhammad Faiz Syahmi bin Shaharudin, 2017."Optimum bitumen content determination for palm oil fuel ash modified bitumen." Final Project.
21. Siti Nursyazana Yaacop, 2016. "Study the performance of modified asphalt mixture using styrene butadiene styrene." Final Project.
22. Nur Izzati Bt Saad, 2016. "Study the performance of modified asphalt mixture using styrene butadiene styrene for AC10." Final Project.
23. Nazhatul Syazwaneer Binti Jajuli, 2016. "Rheological study of modified asphalt mixture using styrene butadiene styrene." Final Project.
24. Nurzahrin Bin Mohmad Barudin, 2016. "Correlation between Functional Properties and Structural Properties of Flexible Pavement." Final Project.
25. Mohd Norhafizi bin Abd Razak, 2016. "Structure Pavement Analysis Using Empirical Method and Mechanistic – Empirical Method." Final Project.
26. Nor Ashikin Binti Yahaya, 2016. "Kajian Kemalangan Jalanraya Di Kawasan Shah Alam, Selangor Darul Ehsan." Final Project.
27. Nor Aklima Binti Khidir, 2016. "Assessment of different stabilizer materials in cold in-place recycling." Final Project.
28. Hafizzul Helmie bin Mat Kamal, 2015. "Effect of styrene-butadiene styrene (SBS) on bitumen properties." Final Project.
29. Fuad Fazrin bin Jamil, 2015. "The study of EVA modified bitumen and the effect on its physical and rheological properties." Final Project.
30. Muhammad Adli Fahmi bin Abd Rahman, 2015. "Effect of polymer modified binder of SBS and EVA towards pavement performance." Final Project.
31. Iryanti Abd. Lahmahid, 2014. "Hubungkait kedalaman tekstur dan indeks kekasaran pada permukaan jalan." Final Project.
32. Mohd. Khairul Kamarudin, 2014. "Effect of rutting on road roughness index." Final Project.

33. Erma Syamimi Md. Isa, 2014. "Steel slag performance on hot mix asphalt." Final Project.
34. Mohamad Azhar Che Him, 2014. "Skid resistance performance of asphalt wearing course using steel slag." Final Project.
35. Nor Syafawati Mohamad Tahir, 2014. "Effect of bitumen content on marshall properties and resilient modulus." Final Project.
36. Mohamad Firdaus Shahidan, 2013. "Stabilizing subgrade silty clay with Ordinary Portland Cement." Final Project.
37. Ong Wei Sheng, 2012. "The effect of different binders on mechanical properties of asphalt concrete 28." Final Project.
38. Tiffany Rose Surry, 2012. "The effect of different binders on mechanical properties of AC10." Final Project.
39. Vrida Ingrid Velian, 2012. "Effect of long term aging on resilient modulus of SMA 20." Final Project.
40. Liew Yee Shian, 2012. "The effects of different binders on mechanical properties of of asphalt concrete 14." Final Project.
41. Mohd Azrani Che Him, 2012. "Effects of long term aging on resilient modulus of stone mastic asphalt 14." Final Project.
42. Nur Sarfina binti Nawawi, 2011. "Adhesion of 14mm coated aggregate for chip seal application." Final Project.
43. Mohamad Idzwan Latiff, 2011. "Adhesion of 10mm coated aggregate for chip seal application." Final Project.
44. Murni Mahadi, 2011. "Adhesion of 6mm coated aggregate for chip seal application." Final Project.
45. Nurhaziyah Mahdan, 2011. "Adhesion of fourteen millimeters chip seal at different aggregate and binder rates." Final Project.
46. Tea Siang Teck, 2011. "Adhesion of 10mm chip seal at different binder rate and aggregate rate." Final Project.
47. Wong Tat Hong, 2011. "Adhesion of 6mm chip seal at different binder rate and aggregate rate." Final Project.
48. Siti Nursyarihan binti Mat Nasir, 2010. "Prestasi rintangan gelinciran pada dandanan permukaan menggunakan 10mm agrgeat." Final Project.
49. Mohamad Ikhwan bin Juhari, 2010. "Kesan Intensiti hujan terhadap rintangan gelincir bagi penggunaan dandanan permukaan 6mm." Final Project.
50. Mohd Syamil bin Ab Rahman, 2010. "Kesan hujan dan peritus kecerunan keatas rintangan permukaan pada dandanan permukaan menggunakan aggregate bersaiz 14 mm." Final Project.
51. Norbaitie bt Nani, 2010. "Kesan bentuk agregat berkeping ke atas kedalaman tekstur dan rintangan gelinciran bagi 10mm dandanan permukaan." Final Project.
52. Norhazwani binti Zulkeflee, 2010. "Kesan bentuk agregat berkeping keatas kedalaman tekstur dan rintangan gelinciran bagi 14 mm dandanan permukaan." Final Project.
53. Mohd Nor Ikhsan bin Mahat, 2009. "Penilaian dan perbandingan kebolehtelapan dan kesan perpalohan di antara campuran turapan berliang dan campuran konvensional (ACW20)." Final Project.

54. Nur Azantulaqma binti Ab Wahab, 2009. "Potensi kapur terhidrat sebagai agen anti ketanggalan dalam campuran panas konkrit berasfalt." Final Project.
55. Nurul Nadrah Aqilah bt Tukimat, 2009. "Kesan gilapan terhadap penilaian rintangan gelinciran pada turapan berliang." Final Project.
56. Mohd Muiz bin Mamat, 2009. "Kajian rintangan gelinciran terhadap dandanan permukaan di makmal." Final Project.
57. Fatin Aina binti Zakaria, 2009. "Kajian kesan bendasing di atas permukaan jalan terhadap sifat rintangan gelinciran." Final Project.
58. Nor Ikhwan bin Khalid, 2009. "Kesan gilapan terhadap penilaian rintangan gelinciran pada turapan konkrit berasfalt (AC10)." Final Project.
59. Wan Shafanis binti Wan Mahzir, 2009. "Kesan gilapan terhadap penilaian rintangan gelinciran pada permukaan konkrit berasfalt." Final Project.
60. Norzamani bin Hussin, 2008. "Road surface measurement on stone mastic asphalt (SMA) at FT003 Jalan Johor Bahru – Kota Tinggi Section 1-4." Final Project.
61. Bakhtiar Affandy bin Othman, 2008. "A study of skid resistance and surface roughness on surface dressing road – Jalan Kg Parit Bulat, Muar." Final Project.
62. Umi Hajjar binti Omar, 2008. "Investigation on stone mastic asphalt (SMA) road characteristic at Jalan Tebrau FT003, Johor." Final Project.
63. Nor Haliza binti Ali, 2008. "Study the effectiveness of surface dressing parameters at Jalan Parit Yaani, Sri Bengkel, Batu Pahat, Johor." Final Project.
64. Mohd Hidayat bin Rahim, 2008. "Kajian kesan perubahan geometric jalan terhadap sifat kegelinciran permukaan." Final Project.
65. Mohd Khairul Idham bin Mohd Satar, 2008. "Relationship of skid resistance value, texture depth and surface roughness of asphaltic concrete pavement – A case study." Final Project.

#### UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
MSc. Internal Examiner	4
PhD Internal Examiner	6
Fast track student examiner	0
Others Examiner	0

#### Msc Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	Internal	Mohammad Mosiour Rahman	Determination of moisture content for subgrade and subbase of pavement courses using microwaze technique	2017
2.	Internal	Yassar Talib Nijris	Performance of Warm Mix Asphalt by using Sasobit	2013

3.	Internal	Mohd Yazip Matori	Factors Influencing Strength of Foamed Bitumen stabilised Mixed	2011
4.	Internal	Ammar Ali Abd Ridha	Fatigue Life of Various Hot Mix Asphlat Mixtures	2011

#### PhD Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	Internal	Zulfiqar Ali	Performance Of Warm Mix Asphalt Containing Coal Bottom Ash As Alternative Aggregates	29/12/2021
2.	Internal	Siti Nur Naqibah Binti Kamarudin	Performance of Hot Mix Asphalt Incorporating Treated Crumb Rubber and Treated Plastic as Additives	23/11/2021
3.	Internal	Nur Hidayah Abd Halim	Performance of Porous Concrete Block with Different Size of Course Aggregate for Pavement	7/9/2021
4.	Internal	Kabiru Osman Rogo	Performance of Fine Dense Graded cold Mix Asphalt Incorporating Spent Garnet and Palm Oil Fuel Ash	2/3/2021
5.	Internal	Salam Ridha Oleiwi Al-Etba	Performance of Asphlat Pavement Containing Potential Cool Paving Materials	30/6/2020
6.	Internal	Mohd Zul Hanif bin Mahmud	Functional Performance And Microstructural Properties of Porous Asphalt Subjected To Clogging	2019

#### EXTERNAL EXAMINATION/ VIVA

Summary	
MSc. External Examiner	0
Fast track student Examiner	0
Others Examiner	0

#### Msc External Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	-			

## PUBLICATIONS

Sila tambah mengikut kesesuaian.

Summary	
ISI Article/Journal	30 (11Q1, 6Q2, 2Q3, 8Q4)
Scopus Article/Journal	26
Non-Indexed Article/Journal	4
Indexed Conference Proceedings	53
Non- Indexed Conference Proceedings	17
Thesis	1
Book Chapters	0
Expert Report	0
Classified/Technical /Expert Report	0
Policy Paper	0
Selected review paper	34

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking
1.	A new approach to enhance the reclaimed asphalt pavement features: role of maltene as a rejuvenator	Road Materials and Pavement Design	1468-0629	-	-	1-24	2021	3.792	Research Paper	ISI Article/ Journal	Q2
2.	Effects of maltene on the attributes of reclaimed asphalt pavement: Performance optimisation.	Construction and Building Materials	0950-0618	302	-	124210	2021	6.141	Research Paper	ISI Article/ Journal	Q1
3.	A Review on the Durability of Recycled Asphalt Mixtures	Sustainability	2071-1050	13	16	8970	2021	3.251	Research Paper	ISI Article/ Journal	Q2

	Embraced with Rejuvenators.										
4.	Impacts of Maltene on the Wettability and Adhesion Properties of Rejuvenated Asphalt Binder.	Arabian Journal for Science and Engineering	2193-567X	46	11	10557-10568	2021	2.334	Research Paper	ISI Article/ Journal	Q3
5.	A review on rejuvenating materials used with reclaimed hot mix asphalt.	Canadian Journal of Civil Engineering	0315-1468	48	3	233-249	2021	1.38	Research Paper	ISI Article/ Journal	Q4
6.	Physical, rheological and chemical features of recycled asphalt embraced with a hybrid rejuvenating agent.	International Journal of Pavement Engineering	1029-8436	-	-	1-19	2021	4.139	Research Paper	ISI Article/ Journal	Q1
7.	Characterisation of microstructural and sound absorption properties of porous asphalt subjected to progressive clogging.	Construction and Building Materials	0950-0618	283	-	122654	2021	6.141	Research Paper	ISI Article/ Journal	Q1
8.	Physical, chemical and morphology characterisation of nano ceramic powder as bitumen modification.	International Journal of Pavement Engineering	1029-8436	22	7	858-871	2021	4.139	Research Paper	ISI Article/ Journal	Q1

9.	Properties of cup lump rubber modified asphalt binder.	Road Materials and Pavement Design	1468-0629	22	6	1329-1349	2021	3.792	Research Paper	ISI Article/ Journal	Q2
10.	Hydrothermal liquefaction bioproduct of food waste conversion as an alternative composite of asphalt binder.	Journal of Cleaner Production	0959-6526	282	-	125422	2021	9.297	Research Paper	ISI Article/ Journal	Q1
11.	Durability Phenomena of Bitumen and Bituminous Pavement Materials.	The Open Civil Engineering Journal	18741495	15	1	279-289	2021	-	Research Paper	Scopus	-
12.	Evaluating the Chemical and Rheological Attributes of Aged Asphalt: Synergistic Effects of Maltene and Waste Engine Oil Rejuvenators.	Arabian Journal for Science and Engineering	2193-567X	45	10	8685-8697	2020	2.334	Research Paper	ISI Article/ Journal	Q3
13.	The influence of nano-carbon from coconut shell ash as modifier on the properties of bitumen.	Road Materials and Pavement Design	1468-0629	23	4	770-786	2020	3.792	Research Paper	ISI Article/ Journal	Q2
14.	The tailored traits of reclaimed asphalt pavement incorporating maltene: performance analyses.	International Journal of Pavement Engineering	1029-8436	-	-	1-14	2020	4.139	Research Paper	ISI Article/ Journal	Q1



15.	Recent advances on palm oil mill effluent (POME) pretreatment and anaerobic reactor for sustainable biogas production.	Renewable and Sustainable Energy Reviews	1364-0321	119	-	109603	2020	14.982	Research Paper	ISI Article/ Journal	Q1
16.	Mechanical performance of asphalt mixture containing nano-charcoal coconut shell ash.	Construction and Building Materials	0950-0618	173	-	40-48	2018	6.141	Research Paper	ISI Article/ Journal	Q1
17.	Effects of nanocharcoal coconut-shell ash on the physical and rheological properties of bitumen.	Construction and Building Materials	0950-0618	158	-	1-10	2018	6.141	Research Paper	ISI Article/ Journal	Q1
18.	Assessing the bond strength of hot mix asphalt pavement for wearing and binder courses.	International Journal of Technology	2086-9614	9	5	925-935	2018	-	Research Paper	ISI Article/ Journal	-
19.	Prediction of Sound Absorption Coefficient for Double Layer Rubberised Concrete Blocks.	International Journal of Engineering & Technology	2227524X	7	2.29	704-710	2018	-	Research Paper	Scopus	-
20.	Performance of nanoceramic powder on the chemical and physical properties of bitumen.	Construction and Building Materials	0950-0618	156	-	496-505	2017	6.141	Research Paper	ISI Article/ Journal	Q1

21.	Effects of mixture design variables on rubber-bitumen interaction: properties of dry mixed rubberized asphalt mixture.	Materials and Structures	1359-5997	50	1	12	2017	3.428	Research Paper	ISI Article/ Journal	Q2
22.	Stiffness modulus and creep properties of the coconut shell in an asphalt mixture	Journal Of Fundamental And Applied Sciences	1112-9867	9(S6)	-	50-58	2017	-	Research Paper	ISI Article/ Journal	-
23.	Stability properties of asphalt mixture incorporating coconut shell	Journal Of Fundamental And Applied Sciences	1112-9867	9(S6)	-	16-24	2017	-	Research Paper	ISI Article/ Journal	-
24.	Effect of charcoal ash coconut shell from waste material at different size on the physical properties of bitumen.	Key Engineering Materials	10139826	744	-	121-125	2017	-	Research Paper	Non-Indexed Journal	-
25.	A review of chemical and physical properties of coconut shell in asphalt mixture.	Jurnal Teknologi	1823-7843	78	4	-	2016	-	Research Paper	Scopus	-
26.	Rheological properties of styrene butadiene rubber modified bitumen binder.	Jurnal Teknologi	1823-7843	78	70-2	-	2016	-	Research Paper	Scopus	-
27.	Accident Due To Pavement	Jurnal Teknologi	1823-7843	78	7-2	-	2016	-	Research Paper	Scopus	-

	Condition–A Review.										
28.	Curing of Asphalt Emulsified Tack Coat Subjected to Malaysian Weather Conditions	Journal of materials in civil engineering	0899-1561	27	4	04014147	2015	3.266	Research Paper	ISI Article/ Journal	Q2
29.	Effect of styrene-butadiene on rheological properties of asphalt emulsion.	Jurnal Teknologi	1823-7843	77	1	-	2015	-	Research Paper	Scopus	-
30.	Assessment index tool for green highway in Malaysia.	Jurnal Teknologi	1823-7843	77	16	-	2015	-	Research Paper	Scopus	-
31.	A review of utilization of coconut shell and coconut fiber in road construction.	Jurnal Teknologi	1823-7843	76	14	-	2015	-	Research Paper	Scopus	-
32.	Laboratory evaluation on the effect of clogging on permeability of porous asphalt mixtures.	Jurnal Teknologi	1823-7843	76	14	77-84	2015	-	Research Paper	Scopus	-
33.	Malaysian transverse rumble strips: A review and recommendations for practice.	Jurnal Teknologi	1823-7843	73	4	117-123	2015	-	Research Paper	Scopus	-
34.	Steel slag as a road construction material.	Jurnal Teknologi	1823-7843	73	4	-	2015	-	Research Paper	Scopus	-
35.	Aggregate angularity effect on porous asphalt	Jurnal Teknologi	1823-7843	73	4	-	2015	-	Research Paper	Scopus	-

	engineering properties and performance.										
36.	Pavement technology elements in green highway.	Jurnal Teknologi	1823-7843	73	4	-	2015	-	Research Paper	Scopus	-
37.	Relationship between liquidity index and stabilized strength of local subgrade materials in a tropical area.	Measurement	0263-2241	55	-	231-237	2014	3.927	Research Paper	ISI Article/ Journal	Q1
38.	Information for the Malaysian asphalt industry towards better pavement interlayer bonding.	Sains Malaysiana	0126-6039	43	3	467-474	2014	1.009	Research Paper	ISI Article/ Journal	Q4
39.	Single Face Compaction on Laboratory Marshall Specimen towards Satisfactory Degree of Compaction and Thickness	Sains Malaysiana	0126-6039	43	3	295-302	2014	1.009	Research Paper	ISI Article/ Journal	Q4
40.	Marshall properties of single-face-compacted asphalt specimen.	Materials Research Innovations	1432-8917	18(S6)	-	121-125	2014	0.83	Research Paper	ISI Article/ Journal	Q4
41.	Performance of warm-mix asphalt	Materials Research Innovations	1432-8917	18(S6)	-	245-249	2014	0.83	Research Paper	ISI Article/ Journal	Q4

	in the highway industry.										
42.	Characterisation and utilisation of steel slag for the construction of roads and highways.	Materials Research Innovations	1432-8917	18(S6)	-	255-259	2014	0.83	Research Paper	ISI Article/ Journal	Q4
43.	Thin cold-mix stone mastic asphalt pavement overlay for roads and highways.	Materials Research Innovations	1432-8917	18(S6)	-	303-306	2014	0.83	Research Paper	ISI Article/ Journal	Q4
44.	Potentials of steel slag and copper mine tailings as construction materials.	Materials Research Innovations	1432-8917	18(S6)	-	250-254	2014	0.83	Research Paper	ISI Article/ Journal	Q4
45.	Laboratory investigation on the effects of flaky aggregates on dynamic creep and resilient modulus of asphalt mixtures.	Jurnal Teknologi	1823-7843	70	4	107-110	2014	-	Research Paper	Scopus	-
46.	Effect of Rainfall Intensity and Road Crossfall on Skid Resistance of Asphalt Pavement.	Jurnal Teknologi	1823-7843	70	4	-	2014	-	Research Paper	Scopus	-
47.	Comparison of sand patch test and multi laser profiler in pavement surface measurement.	Jurnal Teknologi	1823-7843	70	4	-	2014	-	Research Paper	Scopus	-

48.	Effect of Single Face Compaction on Stability and Flow of Asphalt Specimen. Jurnal Teknologi, 69(3).	Jurnal Teknologi	1823-7843	69	3	-	2014	-	Research Paper	Scopus	-
49.	Evaluation of pavement mixture incorporating waste oil.	Jurnal Teknologi	1823-7843	71	3	93-98	2014	-	Research Paper	Scopus	-
50.	Compilation of Pavement Interface Bond Strength Devices for Bond Strength Quantification	Jurnal Teknologi	1823-7843	71	3	-	2014	-	Research Paper	Scopus	-
51.	Performance of Micro Surfacing on Expressway	Jurnal Teknologi	1823-7843	70	7	-	2014	-	Research Paper	Scopus	-
52.	Effect of Cement Stabilized Kaolin Subgrade on Strength Properties.	Journal of Applied Sciences	1819-544X	14(8)	-	842-845	2014	-	Research Paper	Non-indexed Journal	-
53.	The Effect of Application of Transverse Rumble Strips on Traffic Noise Levels.	Research Journal of Chemistry and Environment	0972-0626	17	2	13-18	2013	0.636	Research Paper	ISI Article/ Journal	Q4
54.	Aggregate degradation characteristics of stone mastic asphalt mixtures. Jurnal Teknologi, 65(3).	Jurnal Teknologi	1823-7843	65	3	-	2013	-	Research Paper	Scopus	-
55.	Energy efficiency criteria for green highways in Malaysia.	Jurnal Teknologi	1823-7843	65	3	-	2013	-	Research Paper	Scopus	-

56.	Bitumen emulsion in Malaysia—a conspectus.	Jurnal Teknologi	1823-7843	65	3	-	2013	-	Research Paper	Scopus	-
57.	Fine aggregate angularity effects on rutting resistance of asphalt mixture.	Jurnal Teknologi	1823-7843	65	3	-	2013	-	Research Paper	Scopus	-
58.	Evaluation on mix design and rutting resistance of dry mixed rubberised asphalt mixtures.	Jurnal Teknologi	1823-7843	65	3	-	2013	-	Research Paper	Scopus	-
59.	The effect of groove-underside shaped concrete block on pavement permanent deformation.	Jurnal Teknologi	1823-7843	61	3	7-14	2013	-	Research Paper	Scopus	-
60.	Effect of stabilized laterite on California bearing ratio (CBR) and unconfined compressive strength (UCS).	Electron Journal Geotech Eng	10893032	18	X	5655-5660	2013	-	Research Paper	Non-indexed Journal	-

NO.	TYPE	TITLE	YEAR	AUTHOR
	<ul style="list-style-type: none"> <li>a. INDEXED PROCEEDINGS/CONFERENCE</li> <li>b. NON- INDEXED PROCEEDINGS/CONFERENCE</li> <li>c. SEMINARS/WORKSHOPS</li> <li>d. THESIS</li> <li>e. ORIGINAL BOOK</li> <li>f. EDITED BOOK</li> </ul>			

	g. BOOK CHAPTER h. CLASSIFIED/TECHNICAL/ i. EXPERT REPORT j. POLICY PAPER k. SELECTED REVIEW PAPER			
	a. INDEXED PROCEEDINGS/CONFERENCE			
1.	WEB OF SCIENCE	A review on the usage of waste engine oil with aged asphalt as a rejuvenating agent.	2021	Al-Saffar, Z. H., <b>Yaacob, H.</b> , Satar, M. K. I. M., Kamarudin, S. N. N., Mahmud, M. Z. H., Ismail, C. R., ... & Mashros, N.
2.	WEB OF SCIENCE	. Effect of aging and moisture damage on the cracking resistance of rubberized asphalt mixture.	2021	Radeef, H. R., Hassan, N. A., Abidin, A. R. Z., Mahmud, M. Z. H., <b>Yaacob, H.</b> , Mashros, N., & Mohamed, A.
3.	WEB OF SCIENCE	Waste Cooking Oil as Bio Asphalt Binder: A Critical Review.	2020	Ramadhansyah, P. J., Masri, K. A., Azahar, W. W., Mashros, N., Norhidayah, A. H., Warid, M. M., ... & <b>Yaacob, H.</b>
4.	WEB OF SCIENCE	Restoration of aged bitumen properties using maltenes.	2020	Hussein, Z. H., <b>Yaacob, H.</b> , Idham, M. K., Hassan, N. A., Choy, L. J., & Jaya, R. P.
5.	WEB OF SCIENCE	Strength behaviour of kaolin treated by demolished concrete materials.	2019	Yunus, N. Z. M., Ayub, A., Wahid, M. A., Satar, M. K. I. M., Abudllah, R. A., <b>Yaacob, H.</b> , ... & Hezmi, M. A.
6.	WEB OF SCIENCE	Properties of dense-graded asphalt mixture compacted at different temperatures.	2019	Ismail, S., Hassan, N. A., <b>Yaacob, H.</b> , Hainin, M. R., Ismail, C. R., Mohamed, A., & Satar, M. K. I. M.



7.	WEB OF SCIENCE	Correlation between functional and structural properties of flexible pavement.	2019	Barudin, N. M., <b>Yaacob, H.</b> , Hassan, N. A., Warid, M. N. M., Idham, M. K., Ismail, C. R., ... & Jaya, R. P.
8.	WEB OF SCIENCE	Influence of pavement condition towards accident number on Malaysian highway.	2019	Baskara, S. N., <b>Yaacob, H.</b> , Hainin, M. R., Hassan, S. A., Mashros, N., Yunus, N. Z. M., ... & Jaya, R. P.
9.	WEB OF SCIENCE	Characterization of asphalt binder containing hydrothermal liquefied composition extracted from food waste.	2019	Mahssin, Z. Y., Hassan, N. A., <b>Yaacob, H.</b> , Puteh, M. H., Amin, N. A. S., Zainol, M. M., & Hainin, M. R.
10.	WEB OF SCIENCE	Creep stiffness and voids characteristic of asphalt mixture with waste cooking oil after aging.	2018	Lopa, R. S., Jaya, R. P., Mashros, N., Hassan, N. A., <b>Yaacob, H.</b> , Hainin, M. R., ... & Ramli, N. I.
11.	WEB OF SCIENCE	Engineering properties of bitumen modified with bio-oil.	2018	Rasman, M., Hassan, N. A., Hainin, M. R., Jaya, R. P., <b>Haryati, Y.</b> , Shukry, N. A. M., ... & Kamaruddin, N. H. M.
12.	WEB OF SCIENCE	Road traffic accidents on Senai-Desaru expressway.	2018	Mashros, N., Hassan, S., <b>Haryati, Y.</b> , Ahmad, M. S. A., Samat, I., Puan, O. C., ... & Haron, Z.
13.	WEB OF SCIENCE	Performance of Kaolin Clay on the Concrete Pavement.	2018	Abdullah, M. E., Jaya, R. P., Shahafuddin, M. N. A., <b>Yaacob, H.</b> , Ibrahim, M. W., Nazri, F. M., ... & Mohammed, A. A.
14.	WEB OF SCIENCE	Effect of different sizes of palm oil fuel ash (POFA) towards physical properties of modified bitumen.	2018	Zulkefli, R. R., <b>Yaacob, H.</b> , Jaya, R. P., Warid, M. N. M., Hassan, N., Hainin, M. R., & Idham, M. K.

15.	WEB OF SCIENCE	Effect of Treated Coconut Shell and Fiber on the Resilient Modulus of Double-layer Porous Asphalt at Different Aging.	2018	Ting, T. L., Ramadhansyah, P. J., Norhidayah, A. H., <b>Yaacob, H.</b> , Hainin, M. R., Ibrahim, M. W., ... & Abdullahi, A. M.
16.	WEB OF SCIENCE	Effects of Kaolin Clay on the Mechanical Properties of Asphaltic Concrete AC14.	2018	Abdullah, M. E., Ramadhansyah, P. J., Rafsanjani, M. H., Norhidayah, A. H., <b>Yaacob, H.</b> , Hainin, M. R., ... & Mashros, N.
17.	WEB OF SCIENCE	Stiffness Modulus of Asphaltic Concrete Incorporating Coir Fibre and Subjected to Aging.	2018	Mohammed, A. A., Jaya, R. P., Delbrel, É. J. M., Kang, C. W., Kok, S. T., <b>Yaacob, H.</b> , ... & Ramli, N. I.
18.	WEB OF SCIENCE	Marshall stability properties of asphalt mixture incorporating black rice husk ash.	2018	Jaya, R. P., Hainin, M. R., Hassan, N. A., <b>Yaacob, H.</b> , Satar, M. K. I. M., Warid, M. N. M., ... & Ramli, N. I.
19.	WEB OF SCIENCE	Performance of waste cooking oil on aged asphalt mixture.	2018	Jaya, R. P., Lopa, R. S., Hassan, N. A., <b>Yaacob, H.</b> , Ali, M. I., Hamid, N. H. A., & Abdullah, M. E.
20.	WEB OF SCIENCE	Effect of black rice husk ash on the physical and rheological properties of bitumen.	2017	Romastarika, R., Jaya, R. P., <b>Yaacob, H.</b> , Nazri, F. M., Agussabti, Ichwana, & Jayanti, D. S.
21.	WEB OF SCIENCE	Development of Asphalt Pull out Tester for Investigation of Tack Coat Adhesiveness.	2017	Chang, F. L., <b>Yaacob, H.</b> , Hainin, M. R., & Rashid, A. S. A.
22.	WEB OF SCIENCE	Voids characteristics of asphaltic concrete containing coconut shell.	2017	Abdullah, M. E., Madzaili, A. H., Jaya, R. P., <b>Yaacob, H.</b> , Hassan, N. A., & Nazri, F. M.

23.	WEB OF SCIENCE	Effects of waste plastic on the physical and rheological properties of bitumen.	2017	Abdullah, M. E., Ahmad, N. A., Jaya, R. P., Hassan, N. A., <b>Yaacob, H.</b> , & Hainin, M. R.
24.	WEB OF SCIENCE	Stability and volumetric properties of asphalt mixture containing waste plastic.	2017	Abd Kader, S. A., Jaya, R. P., <b>Yaacob, H.</b> , Hainin, M. R., Hassan, N. A., Ibrahim, M. H. W., & Mohamed, A. A.
25.	WEB OF SCIENCE	Effect of waste plastic as bitumen modified in asphalt mixture.	2017	Abdullah, M. E., Abd Kader, S. A., Jaya, R. P., <b>Yaacob, H.</b> , Hassan, N. A., & Wan, C. N. C.
26.	WEB OF SCIENCE	Effect of aging on resilient modulus of hot mix asphalt mixtures.	2013	Satar, M. K. I. M., Hainin, M. R., <b>Yaacob, H.</b> , Warid, M. N. M., & Abdullah, M. E.
27.	WEB OF SCIENCE	Properties of Single Face Compacted Porous Asphalt.	2013	<b>Yaacob, H.</b> , Hainin, M. R., & Chang, F. L.
28.	WEB OF SCIENCE	Evaluation of external noise produced by transverse rumble strips on rural roadways.	2012	Othman, M. H., Zaiton, H., Mohd Yusof, M. B., Hainin, M. R., Yahya, K., <b>Yaacob, H.</b> , & Azman, S.
29.	SCOPUS	Evaluating the Performance of Reclaimed Asphalt Pavement Incorporating PelletRAP as a Rejuvenator.	2021	Al-Saffar, Z. H., <b>Yaacob, H.</b> , Satar, M. M., Usak, S. M., Jaya, R. P., Hassan, N. A., ... & Warid, M. N. M.
30.	SCOPUS	Durability Performance of Concrete Debris and Bottom Ash as an Alternative Track Ballast Material.	2021	Youventharan, D., Ramandhansyah, P. J., Jeevithan, K. M., Rokiah, O., Arif, S. M., & <b>Yaacob, H.</b>
31.	SCOPUS	The Influence of PelletRAP™ Rejuvenator on the Mechanical Properties of Reclaimed Asphalt Pavement.	2021	Al-Saffar, Z. H., <b>Yaacob, H.</b> , Satar, M. M., Rull, N. S., Jaya, R. P., Mohamed, A., ... & Warid, M. N. M.

32.	SCOPUS	Converting Biomass into Bio-Asphalt–A Review.	2021	Mahssin, Z. Y., Hassan, N. A., <b>Yaacob, H.</b> , Puteh, M. H., Ismail, C. R., Jaya, R. P., ... & Mahmud, M. Z. H.
33.	SCOPUS	Durability Performance of Concrete Debris and Bottom Ash as an Alternative Track Ballast Material.	2021	Youventharan, D., Ramadhansyah, P. J., Jeevithan, K. M., Rokiah, O., Arif, S. M., & <b>Yaacob, H.</b>
34.	SCOPUS	Resilient modulus prediction of nano-silica modified porous asphalt using Finite Element Analysis.	2021	Al-Akhshar, A. M., Masri, K. A., Ramadhansyah, P. J., Norhidayah, A. H., Warid, M. M., & <b>Yaacob, H.</b>
35.	SCOPUS	A review on nanomaterials as additive in asphalt binder.	2021	Masri, K. A., Syafiqah, S. N., Seman, M. A., Ramadhansyah, P. J., <b>Yaacob, H.</b> , & Mashros, N.
36.	SCOPUS	Predication of nano-silica modified porous asphalt under dynamic creep by using finite element analysis.	2021	Al-Aidaros, A. Z., Masri, K. A., Ramadhansyah, P. J., <b>Yaacob, H.</b> , Norhidayah, A. H., & Warid, M. M.
37.	SCOPUS	The effects of nano kaolin clay modified bitumen on the softening point and storage stability.	2021	Jaafar, Z. M., Ramadhansyah, P. J., Masri, K. A., Mashros, N., Warid, M. M., Norhidayah, A. H., & <b>Yaacob, H.</b>
38.	SCOPUS	Rejuvenation of hot mix asphalt incorporating high RAP content: issues to consider.	2020	Hussein, Z. H., <b>Yaacob, H.</b> , Idham, M. K., Abdulrahman, S., Choy, L. J., & Jaya, R. P.
39.	SCOPUS	Stability and Resilient Modulus of Porous Asphalt Incorporating Steel Fiber.	2020	Radzi, N. A. M., Masri, K. A., Ramadhansyah, P. J., Jasni, N. E., Arshad, A. K., Ahmad, J., ... & <b>Yaacob, H.</b>

40.	SCOPUS	Strength Properties of Porous Concrete Pavement Blended with Nano Black Rice Husk Ash.	2020	Ramadhansyah, P. J., Masri, K. A., Mangi, S. A., Yusak, M. M., Hainin, M. R., Warid, M. M., Mashros, N. <b>Yaacob, H.</b> & Haziman, W. M.
41.	SCOPUS	Short term aging effect of asphaltic concrete incorporating charcoal ash from coconut shell.	2020	Ramadhansyah, P. J., Masri, K. A., Awang, H., Satar, M. K. I. M., Hainin, M. R., Norhidayah, A. H., Mohd Warid, M. N., <b>Yaacob, H.</b> & Juraidah, A.
42.	SCOPUS	Repeatability of reclaimed asphalt pavement as related to properties of bitumen.	2019	Idham, M. K., Hainin, M. R., <b>Yaacob, H.</b> , Warid, M. N. M., Puan, O. C., Hassan, N. A., ... & Mudiyono, R.
43.	SCOPUS	Effects of Nano-kaolin clay on the rutting resistance of asphalt binder.	2019	Jaya, R. P., Che'mat, N., Hassan, N. A., Mashros, N., <b>Yaacob, H.</b> , Hainin, M. R., ... & Ali, M. I.
44.	SCOPUS	Effect of rainfall on the compaction of dense-graded hot mix asphalt.	2019	Ismail, S., Hassan, N.A., <b>Yaacob, H.</b> , Warid, M.N.M., Mashros, N., Mohamed, A., Hassan, S.A. and Azahar, N.M.,
45.	SCOPUS	Performance evaluation of asphalt micro surfacing—a review.	2019	Usman, K.R., Hainin, M.R., Idham, M.K., Warid, M.N.M., <b>Yaacob, H.</b> , Hassan, N.A., Azman, M. and Puan, O.C.,
46.	SCOPUS	Effects of u-shaped subgrade concrete panel on subgrade deformation.	2019	Kamarudin, N.A.S., Mohamed, A., Nor, H.M., Khalid, N.H.A., Sam, A.R.M., Hainin, M.R.,

				<b>Yaacob, H.</b> , Idham, M.K. and Hassan, S.A.,
47.	SCOPUS	Flexural strength properties of porous concrete pavement incorporating nano black rice husk ash.	2019	Jaya, R.P., Idris, A.M., Ibrahim, M.M., Hainin, M.R., <b>Yaacob, H.</b> , Hassan, N.A., Haziman, W.M. and Ekarizan, S.,
48.	SCOPUS	Reversible moisture damage in asphalt mixture.	2019	Arfat, M., <b>Yaacob, H.</b> , Hassan, N.A., Warid, M.N.M., Idham, M.K., Ismail, C.R., Nor, H.M., Hainin, M.R., Mohamed, A., Mashros, N. and Yunus, N.Z.M.
49.	SCOPUS	Modification of emulsified bitumen using Styrene-Butadiene Rubber (SBR).	2019	Jin, T.H., Warid, M.N.M., Idham, M.K., Hainin, M.R., <b>Yaacob, H.</b> , Hassan, N.A., Ismail, C.R. and Afiqah, R.N.
50.	SCOPUS	Effect of different rejuvenating agents on the mechanical performance of recycled bituminous mixture.	2019	Idham, M.K., Jeffry, S.N.A., Hainin, M.R., <b>Yaacob, H.</b> , Hassan, N.A., Warid, M.N.M., Mohamed, A. and Yunus, N.Z.M.
51.	SCOPUS	Field performance of asphalt pavement maintenance using Cup Lump Rubber Modified Asphalt (CMA).	2019	Razali, R., Hainin, M.R., Hassan, N.A., Idham, M.K., Warid, M.N.M., <b>Yaacob, H.</b> , Mohamed, A. and Ismail, C.R.
52.	SCOPUS	Physical properties of warm cup lump modified bitumen.	2019	Abdulrahman, S., Hainin, M.R., Idham, M.K., Hassan, N.A., Warid, M.N.M., <b>Yaacob, H.</b> , Azman, M. and Puan, O.C.

53.	SCOPUS	Effect of Black Rice Husk Ash on Asphaltic Concrete Properties under Aging Condition.	2018	Jaya, R. P., Satar, M. M., Abdullah, N. A., Hainin, M. R., Hassan, N. A., <b>Yaacob, H.</b> , ... & Ramli, N. I.
	<b>b. NON- INDEXED PROCEEDINGS/CONFERENCE</b>			
1.	-	Resilient modulus of double layer porous asphalt: application of alkali treated coconut shell and fiber as aggregate replacement.	2017	Ting, T.L., Jaya, R.P., Hassan, N.A. and <b>Yaacob, H.</b>
2.	-	Effect of waste plastic as bitumen modified in asphalt mixture	2016	Jaya, R. P., Hassan, N. A. and <b>Yaacob, H.</b>
3.	-	Interaction Between Bedding Sand Thickness and Shell Groove-Underside Shaped Concrete Block Pavement.	2015	Mohamed, A., Nor, H.M., Hainin, M.R., <b>Yaacob, H.</b> , Ismail, C.R. and Abd Khalid, N.H.
4.	-	Development of asphalt pull out tester for investigation of tack coat adhesiveness	2014	<b>Yaacob, H.</b> , Hainin, M. R. and Rashid, A. S. A.
5.	-	Effect of layer thickness on shear bond strength of malaysian stone mastic asphalt mixture	2014	<b>Yaacob, H.</b> , Hainin, M. R. and Rashid, A. S. A.
6.	-	Fatigue life of malaysian hot mix asphalt mixtures.	2013	Hainin, M.R., Abdulridha, A.A., <b>Yaacob, H.</b> , Haron, Z. and Yusoff, N.I.M.
7.	-	Energy consumption and potential retrofitting of rest and service areas (RSAs) in Malaysia case study.	2013	Zakaria, R. and Foo, K. and Ainee, F. and Majid Abd, M. and Mohamad Zin, R. and Hainin, M. and <b>Yaacob, H.</b>
8.	-	Noise produced by transverse rumble strips: a case study on rural roadways.	2012	Haron, Z., Othman, M.H., Yahya, K., <b>Yaacob, H.</b> , Hainin, M., Yusof, M. and Badruddin, M.
9.	-	Determination of surface roughness index of various bituminous pavements.	2012	Yero, S.A., Hainin, M.R. and <b>Yacoob, H.</b>

10.	-	The correlation between texture depth, pendulum test value and roughness index of various asphalt surfaces in Malaysia.	2012	Yero, S.A., Hainin, M.R. and <b>Yaacob, H.</b>
11.	-	Identification of energy efficiency criteria for Malaysia green highway.	2012	Zakaria, R., Majid, M.Z.A., Zin, R.M., Hainin, M.R., Puan, O.C., <b>Yaacob, H.</b> and Adnan, A.
12.	-	Changes in surface dressing texture as related to time and chipping size.	2008	<b>Yaacob, H.</b> , Hainin, M.R., Woodward, D. and Woodside, A.
13.	Proceeding of International Seminar on Civil & Infrastructure Engineering 2008	Laboratory investigation on surface dressing embedment	2008	<b>Haryati Yaacob</b> , Mohd Rosli Hainin
14.	Proceeding of International Conference on Geotechnical and Highway engineering GEOTROPIKA 2008	Performance of Hot Mix Asphalt using fine crumb rubber	2008	Hassan, N. A., Hainin, M. R. <b>Yaacob, H.</b> , Fahmi, Mashros, N.
15.	Proceeding of International Conference on Geotechnical and Highway engineering GEOTROPIKA 2008	The environmental effect on cooling rate of hot mix asphalt pavement	2008	<b>Haryati Yaacob</b> , Mohd Rosli Hainin, Wardati Hasyim
16.	Proceeding of International Conference on Geotechnical and Highway engineering GEOTROPIKA 2008	Investigation on tyre/road noise using Ulster Load Tyre Road Assimilator	2008	<b>Haryati Yaacob</b> , Mohd Rosli Hainin, David Woodward
17.	-	Laboratory prediction of road tyre noise and rolling resistance.	2007	<b>Yaacob, H.</b> , McErlean, P., Woodward, D. and Woodside, A.
18.	Proceeding of 3rd National Symposium on bridge and infrastructure research in Ireland, Dublin, Ireland	Predicting surface dressing embedment	2006	<b>Haryati Yaacob</b> , David Woodward, Alan Woodside
19.	Proceeding of International Symposium on maintenance and rehabilitations of pavements and technological control, Belfast, UK	Quieter surface dressing for harder asphalt surfacings	2005	<b>Haryati Yaacob</b> , David Woodward, Alan Woodside, Stephen Maguire
20.	Young Researcher Forum, SCI, London	Low noise surface dressing for high stone asphalt mixes	2005	<b>Haryati yaacob</b>



21.	Proceeding of International Conference Series Surface Friction, New Zealand	Smaller stone size surface dressings for high stone surface mixes	2005	David Woodward, Alan Woodside, <b>Haryati Yaacob</b> , Stephen Maguire
22.	Research student conference, University of Ulster	Quieter surface dressing	2005	<b>Haryati Yaacob</b>
<b>c. SEMINARS/WORKSHOPS</b>				
1.	-			
<b>d. THESIS</b>				
1.	THESIS	A study of the effect of texture on surface dressing characteristics, Phd Thesis, University of Ulster, UK.	2006	<b>Haryati Yaacob</b>
<b>e. ORIGINAL BOOK</b>				
1.	-	Bituminous pavement surface texture and skid resistance testing: The investigation of surface roughness of bituminous pavements.	2012	Suleiman Arafat yero, Mohd Rosli Hainin and <b>Haryati Yaacob</b>
2.	-	Malaysia Green Highway Index	2014	<i>Othman Che Puan, Muhd Zaimi Abd Majid, Rosli Mohamad Zin, Rozana Zakaria, Hasanan Md Nor, <b>Haryati Yaacob</b>, Azlan Adnan and Mohd Rosli Hainin</i>
<b>f. EDITED BOOK</b>				
1.	UTM	Highway Engineering	2009	<b>Haryati Yaacob</b>
2.	UTM	Highway Materials and Construction	2008	<i>Hasanan Mohd Nor, Mohd Rosli Hainin, and <b>Haryati Yaacob</b></i>
3.	MATEC Web of Conference	The 12th International Civil Engineering Post Graduate Conference (SEPKA) – The 3rd International Symposium on Expertise of Engineering Design (ISEED) (SEPKA-ISEED2018) Vol. 250	2018	<b>Yaacob Haryati</b> , Mohd Yunus Nor Zurairahetty and Ibrahim Izni Syahrizal

4.	IOP Conference Series: Materials Science and Engineering	11th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019	2019	<b>Haryati Yaacob</b> , Nor Zurairahetty Mohd Yunus, Mohd Khairul Idham Mohd Satar, Muhammad Azril Hezmi, Nadiah Jamaludin, Mohamad Hafeezi Abdullah, Qurratu Aini Sirat, Noor Iman Safiya Mohd Muhtar, Norfazira Mohd Azahar, Siti Nur Naqibah Kamarudin, Mohd Zul Hanif Mahmud
5.	IOP Conference Series: Earth and Environmental Science	The 12th International Civil Engineering Post Graduate Conference (SEPKA), The 3rd International Symposium on Expertise of Engineering Design (ISEED)	2019	<b>Haryati Yaacob</b> , Nor Zurairahetty Mohd Yunus, Izni Syahrizal Ibrahim, Nadiah Jamaludin, Mohamad Hafeezi Abdullah, Izwan Shah Ahmad, Dayangku Salma Awang Ismail, Qurratu Aini Sirat, Ummi Hani Mahamad Anuar
6.	Non-index journal	Multidisciplinary Journal Of Contemporary Studies 2017	2017	Ammad Asif, Daniel Staciarini Corrêa, Mickey Henson, <b>Haryati Yaacob</b> , Mohd Saidin Misnan, Mohd Azlan Suhaimi, Awaluddin Mohamed Shahrouroun, Mohammad Sheraz Siddiqui, Muhammad Amir Sultan
7.	-	The 11th International Civil Engineering Postgraduate Conference - The 1st International Symposium on Expertise of Engineering Design (SEPKA-ISEED'16)	2016	Izni Syahrizal Ibrahim, <b>Haryati Yaacob</b> , Noraliani Alias, Takahide Tabata, Takao Suda, Kenji

				<i>Shimana, Nazri Ali, Rini Asnida Abdullah, Shazwin Mat Taib, Shamila Azman, Rosli Noor Mohamed, Nor Zurairahetty, Mariyana Aida Kadir</i>
	<b>g. BOOK CHAPTER</b>			
1.	GREEN INFRASTRUCTURE MATERIALS AND TECHNIQUES	Chemical and physical characteristics of nano charcoal ash from coconut shell in bitumen as alternative binder	2020	<i>Norhidayah Abdul Hassan, <b>Haryati Yaacob</b></i>
2.	KARYA KREATIF	Stetoskop Kehidupan	2019	<b>Haryati Yaacob</b>
3.	ACADEMIC AND PROFESIONAL MAGAZINE	Effect of different sizes of palm oil fuel ash (pofa) towards physical properties of modified bitumen	2017	<i>Nor Zurairahetty Mohd Yunus, <b>Haryati Yaacob</b>, Mohd Khairul Idham Mohd Satar, Mohd Rosli Hainin</i>
4.	-	Investigation on Tyre/Road Noise using Ulster Load Tyre Road	2009	<b>Haryati Yaacob</b>
5.	-	Performance of Hot Mix Asphalt using Fine Crumber	2009	<b>Haryati Yaacob</b>
6.	-	Investigation on Tyre/Road Noise Using Ulster Load Tyre Road Assilimilator	2008	<b>Haryati Yaacob</b> , Mohd Rosli Hainin, David Woodward, Alan Woodside and Paul McErlean
7.	-	Performance of Hot Mix Asphalt Using Fine Crumb Rubber	2008	<i>Norhidayah Abdul Hasan, Mohd Rosli Hainin, <b>Haryati Yaacob</b>, Fahmi and Nordiana Mashros</i>
	<b>h. CLASSIFY / TECHNICAL</b>			
1.	UTM DAN PAJ	Penyediaan pangkalan data dan pengurusan kemudahan ruang parkir di pusat bandar Johor Bahru, Batu Pahat dan Muar	2017	<i>Azman Mohamed, Othman Che Puan, Hasan Md Nor, Mohd Rosli Hainin, Che Ros Ismail, Norhidayah Abdul Hassan, <b>Haryati Yaacob</b>, Nordiana</i>

				<p><i>Mashros, Sitti Asmah Hassan, Mohd Khairul Idham Mohd Satar, Muhammad Naqiuddin bin Mohd Warid, Ramadhansyah Putra Jaya, Md. Maniruzzaman A.Aziz</i></p>
2.	UTM DAN IISJ	Penilaian semula rekebentuk turapan jalan luar bandar	2017	<p><i>Azman Mohamed, Othman Che Puan, Hasanan Md Nor, Mohd Rosli Hainin, Che Ros Ismail, Norhidayah Abdul Hassan, <b>Haryati Yaacob</b>, Nordiana Mashros, Sitti Asmah Hassan, Mohd Khairul Idham Mohd Satar, Muhammad Naqiuddin bin Mohd Warid, Ramadhansyah Putra Jaya, Md. Maniruzzaman A.Aziz</i></p>
3.	UTM DAN PAJ	Impak kenderaan perdagangan terhadap aliran lalu lintas di atas jalan utama di daerah Johor Bahru dan Kulai	2017	<p><i>Azman Mohamed, Othman Che Puan, Hasanan Md Nor, Mohd Rosli Hainin, Che Ros Ismail, Norhidayah Abdul Hassan, <b>Haryati Yaacob</b>, Nordiana Mashros, Sitti Asmah Hassan, Mohd Khairul Idham Mohd Satar, Muhammad Naqiuddin bin Mohd Warid, Ramadhansyah Putra Jaya, Md. Maniruzzaman A.Aziz</i></p>

4.	UTM DAN PAJ	Penilaian fasiliti terminal pengangkutan awam Larkin Sentral dan JB Sentral	2017	Azman Mohamed, Othman Che Puan, Hasanan Md Nor, Mohd Rosli Hainin, Che Ros Ismail, Norhidayah Abdul Hassan, <b>Haryati Yaacob</b> , Nordiana Mashros, Sitti Asmah Hassan, Mohd Khairul Idham Mohd Satar, Muhammad Naquiddin bin Mohd Warid, Ramadhansyah Putra Jaya, Md. Maniruzzaman A.Aziz
	<b>i. EXPERT REPORT</b>			
1.	UTM	<i>Impacts of Climate Change to Frictional Properties of Road Surface</i>	2013	<b>Haryati Yaacob</b> and Mohd Rosli Hainin
	<b>j. POLICY PAPER</b>			
1.	-			

NO	NAME OF JOURNAL	ROLE	STARTING DATE	ENDING DATE
	<b>k. SELECTED REVIEW PAPER</b>			
1.	Publication and Proceeding on International Forum on Integrated Infrastructure Development 2021 (InFinID2021)	Reviewer	1/1/2021	31/12/2021
2.	6th International Conference On Civil And Environmental Engineering For Sustainability	Reviewer (non-index journal)	1/1/2021	31/12/2021
3.	International Forum on Integrated Infrastructure Development 2021 (InFinID2021) (6 papers)	Reviewer (index journal non-ISI)	1/1/2021	31/12/2021
4.	International Journal Of Pavement Research And Technology (1 paper)	Reviewer (index journal ISI)	1/1/2021	31/12/2021
5.	Journal Cleaner Engineering And Technology (1 paper)	Reviewer (index journal ISI)	1/1/2021	31/12/2021

6.	Case Studies In Construction Materials: Effects Of Recycled Polymer And Soaking On Compressive Strength Of Asphalt	Reviewer (index journal non-ISI)	1/1/2020	31/12/2020
7.	Frontiers Materials (1 paper)	Reviewer (index journal ISI)	1/1/2020	31/12/2020
8.	International Conference On Sustainable Infrastructure Engineering (1 paper)	Reviewer	1/1/2020	31/12/2020
9.	Jurnal International Journal Of Real Estate Studies (2 paper)	Reviewer	1/1/2020	31/12/2020
10.	Waste Management Journal (1 paper)	Reviewer (index journal ISI)	1/1/2019	31/12/2019
11.	Construction Building Materials Journal (3 papers)	Reviewer (index journal ISI)	1/1/2019	31/12/2019
12.	2nd International Conference On Civil And Environmental Engineering (1 paper)	Reviewer	1/1/2019	31/12/2019
13.	11th International Conference on Geotechnical Engineering in Tropical Regions (11th GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (1st ICHITRA) (GEOTROPIKA-ICHITRA) (4 papers)	Reviewer (index journal non-ISI)	1/1/2019	31/12/2019
14.	12th International Civil Engineering Post Graduate Conference and 3rd International Symposium on Expertise of Engineering Design (SEPKA-ISEED 2018) (7 papers)	Reviewer	1/1/2018	31/12/2018
15.	International Journal of Pavement Research and Technology (4 papers)	Reviewer (index journal non-ISI)	1/1/2018	31/12/2018
16.	Transportation Geotechnics (1 paper)	Reviewer (index journal non-ISI)	1/1/2018	31/12/2018
17.	Construction & Building Materials (3 papers)	Reviewer (index journal ISI)	1/1/2018	31/12/2018
18.	International Conference on Sustainable Infrastructure Engineering (1 paper)	Reviewer	1/1/2018	31/12/2018
19.	Journal of Construction in Developing Countries (1 paper)	Reviewer (index journal non-ISI)	1/1/2018	31/12/2018
20.	3rd International Conference on Civil Engineering and Materials Science (2 papers)	Reviewer	1/1/2018	31/12/2018
21.	International Journal of Pavement Research and Technology (1 paper)	Reviewer (index journal ISI)	23/8/2017	15/9/2017
22.	Jurnal Teknologi (3 papers)	Reviewer	2017	2017

23.	International Conference on Civil and Environmental Engineering for Sustainability (IConCEES) (1 paper)	Reviewer	2017	2017
24.	Periodica Polytechnica Civil Engineering (1 paper)	Reviewer	2017	2017
25.	1st Young Researcher For Water And Environmental Symposium	Reviewer	2017	2017
26.	11th International Civil Engineering Post-Graduate Conference (SEPKA2016) (4 papers)	Reviewer	1/6/2016	22/9/2016
27.	The Second International Conference on Civil Engineering and Materials Science 2017 (1 Paper)	Reviewer	1/11/2016	23/11/2016
28.	International Conference on Sustainable Infrastructure Engineering (1 Paper)	Reviewer	1/10/2016	13/11/2016
29.	Journal of Construction & Building Materials (3 Papers)	Reviewer	1/5/2016	5/6/2016
30.	International Conference on Advanced Science, Engineering and Technology (ICASET) 2015	Reviewer	21/12/2015	22/12/2015
31.	Jurnal Teknologi Article (5 Papers)	Reviewer	21/6/2015	21/6/2015
32.	The Malaysian Journal Of Civil Engineering (MJCE) (1 paper)	Reviewer	1/12/2014	8/12/2014
33.	International Journal of Pavement Engineering (1 paper)	Reviewer	12/8/2014	12/8/2014
34.	Jurnal Teknologi Article (12 Papers)	Reviewer	26/10/2014	26/10/2014

**PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER**

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Keynote Speaker	International Forum On Integrated Infrastructure Development (INFINID 2021)	21/9/2021 – 22/12/2021	UTM (Online)
2.	Presenter	Influence Of Pelletrap Rejuvenator On The Mechanical Properties Of Reclaimed Asphalt Pavement, 2nd International Seminar On Sustainable Construction Engineering (ISSCE2020)	2020	Online
3.	Presenter	Interaction of Underside Shaped Concrete Blocks And Bedding Sand, Research Seminar In Civil Engineering (SEPKA)	2011	UTM
4.	Presenter	Prediction of sound absorption performance for double layer rubberized concrete blocks, Asia International Multidisciplinary Conference 2017	2017	UTM
5.	Presenter	Effect of Bedding Sand Thickness on Shell Groove Underside Shaped Concrete Block Pavement, National Seminar On Civil Engineering Research SEPKA 2014	2014	UTM
6.	Presenter	The Effect of Laying Patterns On Underside Shaped Concrete Block Pavement Horizontal Resistance, Research Seminar In Civil Engineering (SEPKA)	2011	UTM
7.	Presenter	The Effect of Laying Patterns on Underside Shaped Concrete Block Pavement Horizontal Resistance, National Seminar On Civil Engineering Research SEPKA 2011	2011	UTM



8.	Presenter	Interaction Between The Underside Shaped Concrete Block And Bedding Sand, National Seminar On Civil Engineering Research SEPKA 2011	2011	UTM
9.	Chairperson	11th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019	27 – 28/2/2019	The Royal Widad Residence, Kuala Lumpur
10.	Fasilitator	Kursus Penyeliaan Pelajar Pasca Siswazah (As103)	2018	UTM
11.	Chairperson	The 12th International Civil Engineering Post Graduate Conference (SEPKA), The 3rd International Symposium on Expertise of Engineering Design (ISEED)	27 – 28/8/2018	UTM
12.	Chairperson	11th International Civil Engineering Post-Graduate Conference (SEPKA2016)	26 – 27/9/2016	UTM
13.	Presenter	Laboratory Investigation on Surface Dressing Embedment International Seminar In Civil Engineering (ISCIE), UITM	2008	UiTM Shah Alam
14.	Chairperson	International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 2008	2008	2008
15.	Presenter	JGP Colloquium – The effect of texture on surface dressing characteristic	2007	2007

## PROFESSIONAL SERVICES

### Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1.	Invited Speaker	Online courses on Pavement Quality Control	3/3/2021	Makmal Pengangkutan, School of Civil	

				Engineering, UTM	
2.	Technical Internal Auditor	Penyediaan Ream Specification And Guideline For Interlocking Concrete Pavers Technical Committee	1/1/2020 - 31/12/2020	Bahagian Kejuruteraan Forensik Jalan, Cawangan Jalan Tingkat 20, Menara PJD, Kuala Lumpur	
3.	Technical Internal Auditor	Traffic Study For Pengerang Integrated Project	1/1/2019 – 31/12/2019	UTM – Pengerang Johor	
4.	Invited Speaker	One-day Seminar & Workshop on Interlocking Concrete Pavers (IPC) Speakers Invitations	22/8/2019	Kompleks Kementerian Kerja Raya, Kuala Lumpur	
5.	Invited Speaker	Pengawasan Pembinaan Jalan Berasaskan Spesifikasi JKR/SPJ/2008	17 – 19/4/2018	Pusat Kecemerlangan Kejuruteraan dan Teknologi JKR (CREATE)	
6.	Invited Speaker	Program Pemindahan Teknologi Penilaian Semula Rekabentuk Jalan Luar Bandar, Mersing	6 – 7/2/2017	Jalan Luar Bandar, Mersing	
7.	Invited Speaker	Seminar On Road Safety – Improving the road safety and road infrastructure	12/4/2017	Hotel Putra, Kuala Lumpur	
8.	Professional Reference Expert	Mesyuarat Kajian Kemalangan di Lebuhraya Wilayah Selatan Lembaga Lebuhraya Malaysia	5/5/2016	Pejabat Pentadbiran PLUS Berhad, PLUS Wilayah Selatan Yong Peng, Johor	
9.	Invited Speaker	Kompetensi Staf Makmal Pengangkutan	15 – 16/11/2015	Fakulti Kejuruteraan Awam	
10.	Invited Speaker	Kursus Kompetensi Dalam Makmal Geoteknik Dan Pengangkutan	11 – 12/4/2014	Fakulti Kejuruteraan Awam	
11.	Invited Speaker	Workshop on pavement structural thickness design, maintenance and new technology	2 – 3/12/2013	Fakulti Kejuruteraan Awam	

### **Community and University Services**

<b>NO</b>	<b>ROLE</b>	<b>TITLE OF PROGRAMME</b>	<b>DATE</b>	<b>LEVEL</b>	<b>LOCATION</b>
1.	Ahli Jawatankuasa	Program Gotong Royong Perdana Sk Sri Amar	22/2/2020	Negeri	SK Sri Amar
2.	Ahli	Sumbangan Khidmat Masyarakat Dan Kuliah Dhuha	1/1/2020 – 31/12/2020	Universiti	UTM
3.	Ahli	Program Khidmat Masyarakat Bersama Jkr Mersing Penilaian Kerosakan Jalan Resang Mersing	3/4/2019 – 4/4/2019	Komuniti/ Daerah	Jalan Tanjung Resang (J183)
4.	Ahli	Khidmat Masyarakat Kelab Keluarga SKA	2019	Fakulti	Sekolah Kejuruteraan Awam (SKA)
5.	Ahli	HAKIM NILAM PERINGKAT NEGERI JOHOR	18 – 20/3/2019	Negeri	Bahagian Teknologi Pendidikan Negeri Johor
6.	Ahli	Majlis Pelancaran Buku Fasa 2 Anekdote Dan Kisah Kehidupan	1/12/2018 – 23/12/2018	Kebangsaan	Johor
7.	Ahli	Kelab Keluarga FKA	1/12/2018 – 23/12/2018	Fakulti	Fakulti Kejuruteraan Awam (FKA)
8.	Fasilitator	Program Khidmat Masyarakat Generasi Mahasiswa Proaktif (GEMPAK2017)	31/3/2017 – 8/4/2017	Universiti	Gelang Patah – UTM Johor – Sungai Sebulong
9.	Fasilitator	Program Pemindahan Teknologi Penilaian Semula Rekabentuk Jalan Luar Bandar, Mersing	6/2 – 7/2/2017	Negeri	Kg Ayer Merah, Mersing Johor
10.	Ahli	Program CSR Pembinaan Ruah Asnaf Puan Norharyati bt Noh	8/7 – 19/8/2017	Universiti	No. 107, Jalan Kupang 3, Batu 4 ½, Skudai Kiri
11.	Peserta	Terapi Pertuturan Kanak-kanak Cerebral Palsy	19/5/2014	Negeri	Hospital Sultanah Aminah Johor Bahru

### **Endowment and Wakaf to University**

<b>NO</b>	<b>NAME OF ENDOWMENT AND WAKAF</b>	<b>TOTAL CONTRIBUTION (RM)</b>
1.	SUMBANGAN KULIAH DHUHA	50.00

**Patent Granted and Filing**

NO	NAME OF PATENT	STATUS OF PATENT	REMARK
1.	The Single Face Compaction on Marshall Specimen using Marshall Compactor Towards Satisfactory Degree of Compaction	Approved	IP/PT/2013/4136
2.	Rejuvenated asphalt binder composition and process for preparing the same	Approved	IP/PT/2019/0898
3.	Asphalt FWB	Approved	IP/PT/2019/0897

**Copyright**

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	REMARK
1.	Hydrothermal Liquefaction of Food Waste	Approved	IP/CR/02140
2.	Enhanced dry process method for waste plastic modified asphalt mixture	Approved	IP/CR/02109
3.	Questionnaire on Bus User Perception on COVID-19	Approved	IP/CR/02107
4.	Teaching Reflection	Approved	IP/CR/00155
5.	Self Assessment Report for Self Accreditation :Engineering Doctorate (Construction Technology and Management)	Approved	IP/CR/2019/0833
6.	Blending process for cup lump modified asphalt binder	Approved	IP/CR/2019/0228
7.	MOOC - Research Methodology for Engineering	Approved	IP/CR/2019/0200
8.	SKAB Curriculum for bachelors degree of Civil Engineering UTM	Approved	IP/CR/2019/0163
9.	PROGRAM HANDBOOK FOR Master of Engineering Transportation	Approved	IP/CR/2019/0059
10.	Web based Application for Malaysian Green Highway Index	Approved	IP/CR/2018/0706
11.	Inverted U-shaped Subgrade Concrete Panel	Approved	IP/CR/2018/0603
12.	Self assessment report MKAJ-Faculty of Civil Engineering Universiti Teknologi Malaysia	Approved	IP/CR/2018/0121
13.	Studded concrete block paver	Approved	IP/CR/2017/0276
14.	Slide pengajaran dan pembelajaran asphalt modification	Approved	IP/CR/2017/0270
15.	Puffin control logic	Approved	IP/CR/2017/0262
16.	Abstract book 10TH International Geotechnical and Transportation Research Conference	Approved	IP/CR/2016/0245

