

# RESEARCH PROFILE



**Ts. Dr. Ekarizan Shaffie**  
Principal Researcher IIESM/Lecturer  
University Teknologi MARA, Shah Alam,  
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<https://prisma.uitm.edu.my/prisma/?doit=pubRec>

## Academic Qualification:

1. Doctor of Philosophy (Civil Engineering), UiTM
2. Master of Science in Civil Engineering (Pavement Engineering), UiTM
3. BSc in Civil Engineering (Hons), UiTM

## Supervision

Ongoing PhD	3 (UiTM)
Completed Master	1 (UiTM)
Ongoing Master	1 (UMP)
Completed Master Dissertation	6 (UiTM)

## Areas of Interest:

Highway Engineering, Nanomaterials, Materials Testing, Modified Bitumen, Hot Mix Asphalt, Pavement Engineering Nanocomposites, Material Characterization and Traffic Engineering

## Publications:

Number of Chapter in Books	= 7
Number of Journals	= 44
Number of Proceedings	= 27
General Publication	= 43
<b>TOTAL</b>	<b>= 121</b>

## Research Grants:

FRGS	= RM 245,500.00
DANA Kecemerlangan	= RM 58,000.00
Lestari	= RM 20,000
GIP	= RM 30,000
UMP GRANT	= RM 30,500.00
<b>TOTAL</b>	<b>= RM 384,000.00</b>

## Consultations:

Kemakmuran 2000 Sdn Bhd	= RM 42,789
Roadcare(M) Sdn.Bhd	= RM 12,792
Ahn Vertex Sdn Bhd	= RM 15,370
Elcorp Technology Sdn Bhd	= RM 108,244
Ideal Engineering Laboratory Sdn Bhd	= RM 10,080
Jabatan Kerja Raya (JKR)	= RM 9,158
Gemencheg Granite Sdn Bhd	= RM 8,745
Permata Seri Megah Sdn Bhd	= RM 31,013
Lembaga Getah Malaysia	= RM 17,700
Ikram Skills And Retraining Academy	= RM 12,000
Other organization	= RM 173,123
<b>TOTAL</b>	<b>= RM 441,014</b>

# CURRICULUM VITAE



## PERSONAL DETAILS

1. Name : Ekarizan Shaffie
2. Date of Birth : 05-03-1980
3. Sex : Female
4. Office Address : Institute for Infrastructure Engineering and Sustainable Management (IIESM), and Kolej Pengajian Kejuruteraan, Universiti Teknologi MARA (UiTM), 40450 Shah Alam, Selangor, Malaysia
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Scopus®

<https://www.scopus.com/authid/detail.uri?authorId=38961828000>

## **PROFESSIONAL MEMBERSHIP**

- Member of Board of Engineers Malaysia (BEM) – P.Eng.
- Member of Malaysia Board of Technologist (MBOT) – P.Tech.
- Member of Institute of Engineers Malaysia (IEM) – MIEM)
- Member of Geotechnique, Construction Materials and Environment (GEOMATE) International Society, Japan
- Member of Concrete Society of Malaysia (CSM)

## **1.0 SUPERVISION**

### **DOCTOR OF PHILOSOPHY (PH.D)**

NO	SEMESTER	STUDENT NAME	THESIS TITLE
1	20184 - 20212	Mohd Izzat Asyraf Bin Mohamad (201596737)	Performance of Cold Mix Recycling with Dierent Types of Rubber
2	20194 - 20212	Mohd Razi Bin Kamiran (2019837702)	Optimization of steel fiber in porous asphalt pavement
3	20202- 20224	Fionna Binti Shiong (2020284508)	Predictive Model to Determine Self-healing Mechanism of Bituminous Mixtures Incorporating Steel Fibre

### **MASTER/APPLIED RESEARCH**

NO	SEMESTER	STUDENT NAME	THESIS TITLE
1	20194 - 20212	Nur Ezreen Jasni (MAG19003)	Development Of New Gradation of Porous Asphalt Incorporating Natural Fiber
2	20142- 20162	Mohd Azli Bin Ayob (2019837702)	Design and Performance Evaluation of HIPR (Hot in Place Pavement Recycling)

### **DISSERTATION PHD/ MASTER**

NO	SEMESTER	STUDENT NAME	THESIS TITLE
1	20192	Haryani Binti Zakaria (2017112499)	The Investigation of Factors That Contribute to Motorcycle Fatalities in Selangor
2	20192	Mohd Razi Bin Kamiran (2017309607)	Investigate The Impact of Road Safety Measure in Reducing the Rate of Fatalities In Malaysia Road
3	20192	Mohd Khairul Amir Bin Mohd Jamil (2017727971)	Perception Of Motorcyclist on Safe Motorcycling in Mixed Traffic of Urban Areas
4	20192	Mohd Fadzree Bin Ismail (2017870542)	The Simplified Guideline for The Construction of An Airfield to Accommodate Emergency Disaster Relief
5	20194 - 20202	Mohd Afiq Bin Mohd Zihan (2019350249)	Field Evaluation of Coring Sample in Measuring Pavement Layers Performance Through Response Surface Methodology
6	20194 - 20202	Fionna Binti Shiong (2019775377)	Evaluation Of Cold Mix Asphalt Performance Through Response Surface Method

## ***PROJECT DEGREE PROFESSIONAL***

<b>NO</b>	<b>BIL</b>	<b>Semester</b>	<b>STUDENT NAME</b>
1	20204 - 20212	Muhamad Aiman Bin Ismail (2018438144)	Performance of Cold Mix Asphalt Incorporated with Aramid Fiber
2	20204 - 20212	Nursafa' Maisara Binti Mohd Zin (2018224816)	A Study on The Effectiveness Of Rolling Barrier At Straight Road And Curved Road
3	20204 - 20212	Norfarina Binti Nor Azmi (2018425256)	Review On Self-Healing Technology in Asphalt Pavement
4	20204 - 20212	Alma Aina Binti Mohd Nasir (2018639354)	Optimization of Asphalt and Modifier Contents for Steel Fiber Modified Asphalt Mixtures Using Response Surface Methodology.
5	20204	Muhammad Nur Aiman Bin Adenan (2018438012)	Road Fatalities in Malaysia due to Pavement Deterioration: A Review
6	20202 - 20212	Mohammad Yusri Bin Ismail (2017925111)	Optimization of Steel Fiber Modified Asphalt Mixture Using Response Surface Methodology (RSM)
7	20194 - 20202	Syawati Binti Warsino (2017677252)	Effect Of Ageing Using Steel Fiber on The Performance Of HMA
8	20194 - 20202	Abdul Muiz Bin Aminudin (2017677262)	Mashall Properties of Hot Mix Asphalt with Variable Content of Self-Healing Material Using Steel Fibre in Asphalt Mixture
9	20194 - 20202	Hazwani Binti Ab Rashid (2017677504)	Mechanical Properties Investigation of Modied Hot Mix Asphalt Using Steel Fibre
10	20194 - 20202	Muhammad Hafiy Fauzan Bin Mohamad Saeffee (2017677556)	Resilient Modulus Performance of Hot Mix Asphalt (Hma) Using Steel Fiber
11	20194 - 20202	Hanis Eizzati Binti Ahmad (2017800534)	Effect Of Ageing on Physical and Mechanical Properties Using Steel Fibre in Hot Mix Asphalt
12	20194	Asyreen Binti Rakawi (2016341295)	Physical And Mechanical Properties of Asphalt Emulsion Using Latex
13	20192	Erni Citra Binti Othman (2015230066)	Physical Properties of Crumb Rubber Modified Bitumen
14	20192	Athirah Binti Abd Samat (2016209556)	A Study on The Suitable Mixing Variables of Crumb Rubber As Additive In Bitumen Binder For Bitumen Grade 60/70 And The Effect On The Physical Properties Of The Modified Binder
15	20184	Mohd Firdaus Bin Nordin (2016209448)	Effect Of Mixing Variables on Physical Properties Using Palm Oil Waste on Modified Binder
16	20184	Norhanifah Binti Sharkawi (2016217982)	Effect Of Mixing Variables on Physical Properties Using Palm Oil Waste on Modified Binder
17	20184	Siti Zahidah Binti Rahman (2016218134)	Physical Properties Of Modified Asphalt Binder Using Palm Oil Materials Using 60/70 Penetration Grade
18	20182	Mohd Afiq Bin Mohd Zihan (2014249202)	Modification Of Binder By Using Waste Cooking Oil And Latex Using Penetration Grade 60/70.
19	20182	Mohd Farhan Bin Kamarzaman (2015137087)	Modification Of Binder By Using Waste Cooking Oil And Natural Rubber Latex Using Penetration Grade 80/100

20	20174	Noralif Bin Norsam (2015836968)	Modification Of Binder Using Waste Cooking Oil And Latex Using Penetration Grade 60/70
21	20174	Siti Ainizah Binti Ramli (2015884528)	Physical Properties Of Penetration Grade 80/100 Bitumen With Natural Rubber Latex And Nano Silica Modified Binder
22	20174	Norindah Binti A Ghani (2015896686)	Physical Properties Of Penetration Grade 60/70 Bitumen With Latex Natural Rubber And Nanosilica Modified Binder
23	20172	Siti Maslina Binti Maksud (2013698356)	Soil Stabilization For Subgrade By Using Solcrete
24	20172	Ezzah Mardhiana Binti Junaidi (2014441822)	Chemical Stabilization Of Road Subgrade Using Solcrete
25	20164	Nurul Sabiha Binti Adenan (2013367667)	Investigation On Resilient Modulus Performance Of Stone Mastic Asphalt Using Natural Rubber Latex
26	20164	Mohd Izzul Fikri Bin Zaluddin (2013945529)	A Study On The Stripping Performance Of Bitumen Mixtures Using Natural Rubber Latex
27	20164	Wan Mohamad Muizzuddin Bin Wan Hanif (2014458284)	Rutting Performance Evaluation Of Stone Mastic Asphalt Using Natural Rubber Latex
28	20162	Monica Lema Anak Jang (2013105657)	Rutting Resistance Of Nanosilica Modified Porous Asphalt Grading A Due To Aging.
29	20162	Nur Zehan Binti Sahak (2013929441)	Dynamic Creep Of Nanosilica Modified Porous Asphalt

## 2.0 RESEARCH / PUBLICATION / CONFERENCE

### 2.1 RESEARCH PUBLICATIONS

#### 2021

1. Ahmed Abdulameer Hussein, Ramadhansyah Putra Jaya, Haryati Yaacob, Norhidayah Abdul Hassan, Salam Ridha Oleiwi Aletba, Ghasan Fahim Huseien, **Ekarizan Binti Shaffie**, Mohd Rosli Mohd Hasan (2021), "Physical, chemical and morphology characterisation of nano ceramic powder as bitumen modification", International Journal of Pavement Engineering. Pages 858-871. Volume 20 (7).
2. K A Masri, N Y Nur Fatin , S C Chin, S M Z Nur Syafiqah and E Shaffie, Ramadhansyah Putra Jaya, Choy Jau Lai, **Ekarizan Shaffie** (2021), "Utilization of Bamboo Fiber towards sustainable asphalt mixture", IOP Conf. Series: Earth and Environmental Science 641 (2021) 012002. Pages 1-8.
3. **Shaffie E.**, Arshad A.K., Alisibramulisi A., Shafii M.A., Putra Jaya R., Masri K.A. (2021) Evaluation of Cold Mix Patching Materials Along Jalan Persiaran Mokhtar Dahari, Selangor. In: Mohd Zuki S.S., Mokhtar S.N., Shahidan S., Bin Wan Ibrahim M.H. (eds) Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020. Lecture Notes in Civil Engineering, vol 157. Springer, Singapore.
4. Arshad A.K., **Shaffie E.**, Masri K.A., Jaya R.P., Ismail Y. (2021) Cement Stabilisation of Subgrade Soil for Sustainable Pavement Structure. In: Mohd Zuki S.S., Mokhtar S.N., Shahidan S., Bin Wan Ibrahim M.H. (eds) Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020. Lecture Notes in Civil Engineering, vol 157. Springer, Singapore.

5. A. K. Arshad, **E. Shaffie**, M.F.N.A. Mohd Yasin, W. Hashim, N.A. Kamaluddin, F. Ismail, Development of a Pavement Performance Model for an Expressway, *International Journal of Advanced Research in Engineering and Technology*, 12(1), 2021, pp. 11-19

## **2020**

1. Zaid Hazim Al-Saffar, Haryati Yaacob, Mohd Khairul Idham Mohd Satar, Mhmood Khleel Saleem, Ramadhansyah Putra Jaya, Choy Jau Lai, **Ekarizan Shaffie (2020)**, "Evaluating the Chemical and Rheological Attributes of Aged Asphalt: Synergistic Effects of Maltene and Waste Engine Oil Rejuvenators", *Arabian Journal for Science and Engineering*. Pages 1-13.
2. Zaid Hazim Al-Saffar, Haryati Yaacob, Mohd Khairul Idham Mohd Satar, Mhmood Khleel Saleem, Ramadhansyah Putra Jaya, Choy Jau Lai, **Ekarizan Shaffie (2020)**, "Warm Mix Asphalt Surfacing Performance for Different Aggregate Gradations with Cecabase RT Additive", *IOP Conference Series: Earth and Environmental Science*. Volume 498 (1).
3. **E Shaffie** MA Shafii, CS Qin, ECM Ling (2020), "Determination of Delay at Signalized Intersection: A Case Study", *Technology Reports of Kansai University*.Vol 62(03), Pages 321-332
4. **E Shaffie** MA Shafii, CS Qin, ECM Ling (2020), "Effect of Temperature on Phase Angle and Dynamic Modulus of Asphalt Mixtures Using SPT", *Materials Science Forum*.Vol 1007, Pages 99-104.
5. Wardati Hashim, Nur Syahirah Fatinah Mustapa, Ahmad Kamil Arshad, **Ekarizan Shaffie**, Nur Ilya Farhana Md Noh (2020). "Wind Speed Effect on the Time Available for Compaction of Warm Mix Asphalt (WMA)", *Key Engineering Materials*, Vol 846, pp.220-225.
6. **Ekarizan Shaffie**, Ahmad Kamil Arshad, Ramadhansyah Putra Jaya, Khairil Azman Masri, Wardati Hashim (2020). "Permanent deformation investigation of rubber polymer modified binder in superpave hot mix asphalt mixture", *Journal of Academia*, Vol 8(1), pp.45-52.
7. NE Jasni, KA Masri, PJ Ramadhansyah, AK Arshad, **E Shaffie**, J Ahmad, AH Norhidayah (2020). "Mechanical Performance of Stone Mastic Asphalt Incorporating Steel Fiber", *IOP Conference Series: Materials Science and Engineering*, Vol 712(1), pp.012026.
8. NAN Md Fauzi, KA Masri, PJ Ramadhansyah, MS Samsudin, A Ismail, AK Arshad, **E Shaffie**, AH Norhidayah, MR Hainin (2020). "Volumetric Properties and Resilient Modulus of Stone Mastic Asphalt incorporating Cellulose Fiber", *IOP Conference Series: Materials Science and Engineering*, Vol 712(1), pp.012028.
9. A. K. Arshad, **E. Shaffie**, N.I. Bahari, W. Hashim and N.A. Kamaluddin, Modeling Factors Affecting the use and Accessibility of Pedestrian Walkways, *International Journal of Advanced Research in Engineering and Technology*, 11(10), 2020, pp. 1466-1473.

## **2019**

1. Wan Nur Aifa Wan Azahar, Ramadhansyah Putra Jaya, Mohd Rosli Hainin, Mohd Rosli Mohd Hasan, **Ekarizan Shaffie (2019)**. "X-Ray Diffraction Analysis of Bitumen Containing Untreated and Treated Waste Cooking Oil", *International Journal of Recent Technology and Engineering*. Vol 8(3s3), pp.434-437.
2. Ramadhansyah Putra Jaya, Mohd Rosli Hainin, Khairil Azman Masri, Youventharan Duraisamy, **Ekarizan Shaffie (2019)**. "Performance of Charcoal Coconut Shell Ash in the Asphalt Mixture under Long Term Aging", *International Journal of Recent Technology and Engineering*. Vol 8(3s3), pp.383-387.
3. **Ekarizan Shaffie**, Ahmad Kamil Arshad, Ramadhansyah Putra Jaya, Wardati Hashim, Mohd Amin

(2019). "Permanent Deformation of Hot Mix Asphalt (HMA) using Dynamic Modulus Simple Performance Test" , International Journal of Recent Technology and Engineering (IJRTE). Vol 8(4), pp.7001-7006.

4. **Ekarizan Shaffie**, Juraidah Ahmad, Ahmad Kamil Arshad, Ramadhansyah Putra Jaya, Nuryantizpura Mohamad Rais, Mohd Amin Shafii (2019). "Relationship Between Rheological Properties of Nano Polymer Modified Asphalt Binder and Permanent Deformation of Asphalt Mixture" , International Journal of Integrated Engineering. Vol 11(6), pp.244-253.
5. Ahmed Abdulameer Hussein, Ramadhansyah Putra Jaya, Haryati Yaacob, Norhidayah Abdul Hassan, Salam Ridha Oleiwi Aletba, Ghasan Fahim Huseien, **Ekarizan Shaffie**, Mohd Rosli Mohd Hasan (2019), "Physical, chemical and morphology characterisation of nano ceramic powder as bitumen modification", International Journal of Pavement Engineering. Pages 1-14.
6. MA Shafii, ECM Ling and **E Shaffie** (2019). "The Use of Sewage Sludge and Its Ash in Construction and Agriculture Industry: A Review", Jurnal of Teknologi, UTM Pres, Vol 81 (5), pp.81-90.
7. **S Ekarizan**, RP Jaya, A Mohamad Idris, MY Mohd Ibrahim, MR Hainin, H Yaacob, NA Hassan, WI Mohd Haziman (2019), "Flexural strength properties of porous concrete pavement incorporating nano black rice husk ash", IOP Conference Series: Materials Science and Engineering.527:012044.
8. AK Arshad, **E Shaffie**, KA Masri, W Hashim, ZA Rahman (2019). "Performance of Dense Graded Asphaltic Concrete Using Nanosilica Modified Bitumen" IOP Conference Series: Materials Science and Engineering, 512:012061.
9. AK Arshad, **E Shaffie**, W Hashim, SM Khalil (2019). "Relationship Between Workability and Moisture-Induced Damage of Asphalt Concrete Mixtures", International Journal of Civil Engineering and Technology, volume 10 (3).Pages 1887-1894.
10. Y Haryati PJ Ramadhansyah, M Khairil Azman, A Mohamad Idris, WA Wan Nur Aifa, **S Ekarizan**, MR Hainin, AH Norhidayah (2019), "Voids Characteristic of Hot Mix Asphalt Containing Waste Cooking Oil", IOP Conference Series: Earth and Environmental Science.244:012049.
11. AK Arshad, **E Shaffie**, W Hashim, F Ismail, KA Masri (2019), "Evaluation of Nanosilica Modified Stone Mastic Asphalt", International Journal of Civil Engineering and Technology (IJCIET). Volume 10(2), pages 1508-1516.
12. P J Ramadhansyah, Y Haryati, A H Norhidayah, H Mohd Rosli, M W Muhammad Naquiuddin, M Azman, A H Abdul Rahim, **S Ekarizan** (2019), "Creep and resilient modulus properties of asphaltic concrete containing black rice husk ash",IOP Conference Series Earth and Environmental Science 220:012005.
13. Ramli Ichwana Putra Jaya Ramadhansyah, Masri Khairil Azman, Awang Haryati, Ali Mohamad Idris, Ramli Noram Irwan, Wan Azahar Wan Nur Aifa, **Shaffie Ekarizan**, Yaacob Haryati, Mohd Warid Muhammad Naquiuddin (2019). "Stability and Stiffness of Asphaltic Concrete Incorporating Waste Cooking Oil", International Journal of Integrated Engineering, Vol 7 (6), pp 16-19.
14. Resilient Modulus Performance of Warm Mix Asphaltic Concrete using Cecabase RT Additive
15. P J Ramadhansyah, A Noor Azlan, Y Haryati, H Mohd Rosli, A H Norhidayah, M S Mohd Khairul Idham, A H Abdul Rahim, M Azman Mohamed, M Nordiana and **S Ekarizan** (2019), "Effects of black rice husk ash on asphalt mixture under aging condition",IOP Conference Series Earth and Environmental Science 220:012005.

## **2018**

1. AK Arshad, **E Shaffie**, W Hashim, ZA Rahman (2018), "Evaluation of rutting resistance of dense graded asphaltic concrete with nanosilica modified binder", AIP Conference Proceedings, Vol 2020 (1), pp 020025.
2. AK Arshad, **E Shaffie**, F Ismail, W Hashim, Z Abd Rahman (2018), "Performance evaluation of dense graded cold mix asphalt, IAEME Publication, Vol 9 (10), pp 549-557.
3. AK Arshad, **E Shaffie**, F Ismail, W Hashim, Z Abd Rahman (2018), "Resilient modulus of crushed granite aggregate base for use in mechanistic pavement design", IAEME Publication, Vol 9 (9), pp 1151-1160.
4. Ahmad Kamil Arshad, Ekarizan Shaffie, F Ismail, Wardati Hashim, Z Abd Rahman (2018), "Evaluation of subbase materials for mechanistic pavement design", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (8), pp 504-512.
5. Ahmad Kamil Arshad, **Ekarizan Shaffie**, F Ismail, Wardati Hashim, Z Abd Rahman (2018), "Asphaltic concrete evaluation for mechanistic pavement design", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (8), pp 513-521.
6. Ahmad Kamil Arshad, **Ekarizan Shaffie**, F Ismail, Wardati Hashim, Z Abd Rahman, Y Ismail (2018), "Cement stabilised soil subgrade: Design and construction", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (7), pp 1192-1200.
7. **Ekarizan Shaffie**, Ahmad Kamil Arshad, J Ahmad, Wardati Hashim (2018), "Evaluation of moisture-induced damage of dense graded and gap graded asphalt mixture with nanopolymer modified binder", IOP Conference Series: Earth and Environmental Science, Vol 140 (1), pp 012143.
8. Wardati Hashim, MNM Noor, **Ekarizan Shaffie**, Zanariah Abd Rahman, Ahmad Kamil Arshad (2018), "Cooling time of porous asphalt pavement affecting compaction process due to various raining condition", IOP Conference Series: Earth and Environmental Science, Vol 140 (1), pp 012070.
9. **E Shaffie**, AK Arshad, A Alisibramulisi, J Ahmad, W Hashim, Z Abd Rahman, RP Jaya (2018), "Effect of mixing variables on physical properties of modified bitumen using natural rubber latex", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (7), pp 1812–1821.
10. W Hashim, AK Arshad, **E Shaffie** and Md Noh N.I.F (2018), "The cooling Rate of Hot Mix Asphalt Pavement due to Various Raining Condition", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (7), pp 1887-1895.
11. AK Arshad, **E Shaffie**, F Ismail, W Hashim, NL Mat Daud, Z Abd Rahman (2018), "Comparative evaluation of soil subgrade strength using laboratory and in-situ tests", International Journal of Civil Engineering and Technology, IAEME Publication, Vol 9 (7), pp 1184–1191
12. Ahmad Kamil Arshad, Haryati Awang, **Ekarizan Shaffie**, Wardati Hashim, Zanariah Abd Rahman (2018), "Performance Evaluation of Hot Mix Asphalt with Different Proportions of RAP Content", E3S Web of Conferences: EDP Sciences, Vol 34, pp 01026.

## **2017**

1. AK Arshad, Z Abd Karim, **E Shaffie**, W Hashim, Z Abd Rahman (2017), "Marshall properties and rutting resistance of hot mix asphalt with variable reclaimed asphalt pavement (RAP) content", IOP Conference Series: Materials Science and Engineering, Vol 271 (1), pp 012078.
2. **E Shaffie**, WMM Wan Hanif, AK Arshad, W Hashim (2017), "Rutting resistance of asphalt mixture with



cup lumps modified binder”, IOP Conference Series: Materials Science and Engineering, Vol 271 (1), pp 012056.

3. Ahmad Kamil Arshad, Noor Azilatam Ali, **Ekarizan Shaffie**, Wardati Hashim, Zanariah Abd Rahman (2017), “Rutting performance of cold bituminous emulsion mixtures”, AIP Conference Proceedings, Vol 1892 (1), pp 050001.
4. Ahmad Kamil Arshad, Masyita Mohammad, **Ekarizan Shaffie**, Wardati Hashim, AG Abdul Halim (2017), “Volumetric Analysis and Performance of Hot Mix Asphalt with Variable Rap Content”, MATEC Web of Conferences, EDP Sciences, Vol 103, pp 09004.

## **2016**

1. Ahmad Kamil Arshad, Syahirah Mansor, **Ekarizan Shaffie**, Wardati Hashim (2016), “Performance of stone mastic asphalt mix using selected fibres”, Jurnal Teknologi, UTM Press, Vol 78 (72), pp 99-103.
2. Ahmad Kamil Arshad, Mohd Azli Ayob, **Ekarizan Shaffie**, Wardati Hashim (2016), “Performance of Hot Recycling Mix with Variable RAP Content”, Global Journal of Engineering and Technology Review, Global Academy of Training & Research, pageno, Vol 1(1), pp 57-62.
3. **Ekarizan Shaffie**, Juraidah Ahmad, Ahmad Kamil Arshad, Dzraini Kamarun, Haryati Awang (2016), “Investigation on Rutting Performance of Nanopolyacrylate and Natural Rubber Latex Polymer Modified Asphalt Binder Mixes”, Jurnal Teknologi, Vol 78 (73), pp.11-15.

## **2015**

1. **E Shaffie**, J Ahmad, AK Arshad, D Kamarun (2015), “Empirical and rheological properties evaluation of modified asphalt binder containing nanopolyacrylate polymer modifier”, Jurnal Teknologi, UTM Pres, Vol 79 (9), pp.85-89.
2. **E Shaffie**, J Ahmad, D Kamarun (2015), “Rutting Performance of Hot Mix Asphalt Mixture using Nanopolyacrylate Polymer Modifier”, Applied Mechanics and Materials, Trans Tech Publications Ltd, Vol 752, pp.197.
3. Ahmad Kamil Arshad, Frag Ahmed Ma Kridan, Noor Azreena Kamaluddin, **Ekarizan Shafie** (2015), “Evaluation of Warm Mix Asphalt Performance with High RAP Content”, Jurnal Teknologi, Vol 73 (4), pp. 51-54.
4. **Ekarizan Shaffie**, Juraidah Ahmad, Ahmad Kamil Arshad, Dzraini Kamarun (2015), “Evaluation of Volumetric Properties and Resilient Modulus Performance of Nanopolyacrylate Polymer Modified Binder (NPMB) Asphalt Mixes”, Jurnal Teknologi, Vol 73 (4), pp. 55-59.
5. **E Shaffie**, J Ahmad, Ahmad Kamil Arshad, Dzaraini Kamarun (2015), “Using Nanopolyacrylate and Nanocomposite as Binder Modifiers for Stone Mastic Asphalt (SMA)”, Applied Mechanics and Materials, Trans Tech Publications Ltd, Vol 802, pp. 381-386.
6. M Shafii, J Ahmad, **E Shaffie** (2015), “Physical properties of asphalt emulsion modified with natural rubber latex”, World Journal of Engineering, Emerald Group Publishing Limited, Vol 10 (2), pp. 159-164.

## **2008**

1. **Ekarizan Shaffie**, Juraidah Ahmad, Abdul Rahman, Mohd Yusof (2008), "Temperature effects on stripping performance of superpave design mix", Scientific Research Journal, Vol 5(2), pp.11-20.

## **CHAPTER IN BOOK**

1. **Shaffie E.**, Arshad A.K., Alisibramulisi A., Shafii M.A., Putra Jaya R., Masri K.A. (2021) Evaluation of Cold Mix Patching Materials Along Jalan Persiaran Mokhtar Dahari, Selangor. In: Mohd Zuki S.S., Mokhtar S.N., Shahidan S., Bin Wan Ibrahim M.H. (eds) Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020. Lecture Notes in Civil Engineering, vol 157. Springer, Singapore.
2. Arshad A.K., **Shaffie E.**, Masri K.A., Jaya R.P., Ismail Y. (2021) Cement Stabilisation of Subgrade Soil for Sustainable Pavement Structure. In: Mohd Zuki S.S., Mokhtar S.N., Shahidan S., Bin Wan Ibrahim M.H. (eds) Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020. Lecture Notes in Civil Engineering, vol 157. Springer, Singapore.
3. Ahmad Kamil At-shad, **Ekarizan Shaffe**, Fauzilah Ismail and Ramadhansyah Putra Jaya (2020). "Cold In-Place Recycling For Flexible Pavement". In: Nor Hayati Abdul Hamid, Ahmad Kamil Arshad, Muhd Norhasri Muhd Sidek, Shamilah Anudai @ Anuar. Green Infrastructure Materials And Techniques. Springer, Singapore.
4. Ramadhansyah Putra Jaya, Siti Nur Amiera Jeffry, Norhidayah Abdul Hassan, Haryati Yaacob, **Ekarizan Shaffe** and Ahmad Kamil Arshad (2020). "Chemical And Physical Characteristic Of Nano Charcoal Ash From Coconut Shell In Bitumen As Alternative Binder". In: Nor Hayati Abdul Hamid, Ahmad Kamil Arshad, Muhd Norhasri Muhd Sidek, Shamilah Anudai @ Anuar. Green Infrastructure Materials And Techniques. Springer, Singapore.
5. **E Shaffie**, J Ahmad, AK Arshad, D Kamarun, (2016), "Moisture-Induced Damage Evaluation of Nanopolymer-Modified Binder in Stone Mastic Asphalt (SMA) Mixtures", InCIEC 2015, Springer, Singapore, pp 947-957
6. **E Shaffie**, J Ahmad, AK Arshad, D Kamarun, F Kamaruddin (2015), "Stripping performance and volumetric properties evaluation of hot mix asphalt (HMA) mix design using natural rubber latex polymer modified binder (NRMB)", InCIEC 2014, Springer, Singapore, pp 873-884.
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28. Ekarizan Shaffie, (2020), "FT 02, Sec.187.00-188.50, Jalan Karak-Temerloh,Pahang" Research Management Institute, Technical Report of Research Project No.: 20200313012, Universiti Teknologi MARA, Shah Alam, Selangor.
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## **PROCEEDING AND CONFERENCES**

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13. Ekarizan Shaffie , Wardati Hashim, Ahmad Kamil Arshad, Juraidah Ahmad (2017). Evaluation of Moisture Induce Damage of Dense Graded and Gap Graded Asphalt Mixture with Nanopolymer Modified Binder. Proceeding of 4th International Conference on Civil and Environmental Engineering for Sustainability (IConCEES 2017); 4-5 Dec 2017.
14. Ahmad Kamil Bin Arshad, Noor Azilatomi Ali, Ekarizan Binti Shaffie, Wardati Binti Hashim, Zanariah Binti Abd Rahman (2017). Rutting Performance Of Cold Bituminous Emulsion Mixes,Universiti Sains Malaysia,Parkroyal Penang Resort.
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21. Ekarizan Binti Shaffie, Juraidah Bt Ahmad (hajjah) (dr), Ahmad Kamil Bin Arshad (ir. Dr.), Dzaraini Bte Kamarun (dr), "Stripping Performance and Volumetric Properties Evaluation of Hot Mix Asphalt (HMA) Mix Design Using Natural Rubber Latex Polymer Modified Binder (NMRB)", Second International Conference on Advanced Micro and Nanocomposite for Engineering 2014, Institute for Infrastructure Engineering and Sustainable Management, Penang, Malaysia
22. Ekarizan Binti Shaffie, Juraidah Bt Ahmad (hajjah) (dr), Ahmad Kamil Bin Arshad (ir. Dr.), Dzaraini Bte Kamarun (dr), "Evaluation of Volumetric Properties and Resilient Modulus Performance of Nanopolyacrylate Polymer Modified Binder Asphalt Mixes", 9th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2013) ,UTM, JKR, LLM, Persada Johor International Convention Centre.
23. Ahmad Kamil Bin Arshad (ir. Dr.), Ekarizan Binti Shaffie,Mohd Azli Ayob, Syazana Syahirah Jamaluddin "The Effect of Different Reclaimed Asphalt Pavement Proportions on the Performance of Hot-In-Place Recycling", 2013 IEEE Symposium on Humanities, Science and Engineering Research (SCHUSER 2013),IEEE Malaysia,Hard Rock Hotel, Penang.
24. Ekarizan Binti Shaffie, Juraidah Bt Ahmad (hajjah) (dr), Ahmad Kamil Bin Arshad (ir. Dr.),Mohd Amin Shafii "Effect of Blending Interaction on Physical Properties of Natural Rubber Latex (NRL) Modified Asphalt Binder",International Postgraduate Seminar 2013 ,Faculty of Civil Engineering, UiTM Shah

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27. Md NH Zain, J Ahmad, Yasmin Ashaari, E Shaffie, NK Mustaffa (2011). Modelling of Lateral Movement in Soft Soil Using Hardening Soil Model. Proceeding of 2011 UKSim 13th International Conference on Modelling and Simulation. Pp 195-200,Malaysia.

## RESEARCH GRANT

NO	TITLE	ORGANIZATION	AMOUNT (RM)	DATE
1	Modelling Double Layer Porous Asphalt Mixture Incorporating Various Type of Natural Fibers (RDU190387)	SELF FUNDED-UMP GRANT	RM 30,500	01-11-2019-31-10-2021
2	Self-Healing Mechanism Predictive model of Bituminous Materials	FRGS (2019 ONWARDS)	RM 97,700	01-09-2019-31-08-2021
3	Microstructure Interaction Mechanism of Asphalt Binder Incorporating Natural Fibers	FRGS RACER (2019 ONWARDS)	RM 62,000	01-09-2019-31-08-2021
4	Perfomance Of Cold Mix Recycling with Different Types of Rubber	GIP-Geran Insentif Penyeliaan	RM 30,000	01-09-2016-31-08-2017
5	The Effect of Using Cup Lumps Rubber on Rutting Resistance of Hot Mix Asphalt	Lestari	RM 20,000	01-09-2016-28-02-2019
6	The Effect of Nanosilica Concentrations on The Microstructural Changes of Nanosilica Modified Asphalt Binder	FRGS	RM 73,600	02-11-2015-02-11-2017
7	The Environmental Effect on The Time Available for Compaction of Warm Mix Asphalt Pavement	FRGS	RM 74,200	15-08-2017-14-08-2019
8	Exploring A New Asphalt for Use in Hot Mix Asphalt (HMA) Application	Dana Kecemerlangan	RM 10,000	01-12-2012-30-11-2014
9	Performance Evaluation of Hot In-Place Recycling (HIPR) Using Shell Rjo-500 As A Rejuvenating Agent	Dana Kecemerlangan	RM 10,000	01-12-2011-30-11-2013



10	Formulation of Asphalt Emulsion Using Nano-Sized Polyacrylates/Natural Rubber Latex Blend (NPA/NR)	Dana Kecemerlangan	RM 10,000	01-10-2011-30-11-2013
11	Properties Evaluation and Stripping Potential of Stone Mastic Asphalt (SMA 14) Using Bottom Ash A Filler	Dana Kecemerlangan	RM 10,000	01-06-2011- 31-05-2012
12	Characterization of Tender Mixes Evaluated Through Marshall Mix Design and Performance Test	Dana Kecemerlangan	RM 10,000	15-04-2009-15-03-2010
13	Performance Assessments of Road Pavement (HMA) On Stripping Characteristics	Dana Kecemerlangan	RM 8,000	101-01-2007- 01-12-2008

## CONFERENCE

### **INTERNATIONAL**

CONFERENCE NAME	ORGANIZATION	POSITION	DATE
The Ninth International Conference on Geotechnique, Construction Materials and Environment, (GEOMATE 2019);, will be held in Hotel Continental Fuchu, Tokyo, Japan	Mie University Research Center for Environmental Load Reduction, The GEOMATE International Society, The Society of Materials Science, Japan, The Useful Plant Spread Society, Japan, Glorious International, AOI Engineering, HOJUN, CosmoWinds and Beppu Construction, Japan.	Presenter	20th -22 th November 2019
The Ninth International Conference on Geotechnique, Construction Materials and Environment, (GEOMATE 2019 Hotel Continental Fuchu, Tokyo, Japan	Mie University Research Center for Environmental Load Reduction, The GEOMATE International Society, The Society of Materials Science, Japan, The Useful Plant Spread Society, Japan, Glorious International, AOI Engineering, HOJUN, CosmoWinds and Beppu Construction, Japan.	Chairman Session	20th -22 th November 2019
Melaka International Conference on Social Sciences, Science and Technology (MIC3ST)	UiTM Melaka	Presenter	7-8 August 2019

4th International conference on Civil and Environment Engineering for Sustainability (IConCEES 2017), 4-5 December 2017, Langkawi	Universiti Tun Hussein Onn Malaysia	Presenter	04/12/2017
Global Congress on Construction, material and structural engineering (GCOMSE2017)	Jamilus Research Center & UTHM commercial	Presenter	28/08/2017
The 10 <sup>th</sup> international conference on Geotechnical and transportation engineering (GEOTROPIKA2016)	UTM Skudai, Johor	Presenter	17-18 <sup>th</sup> February 2016
3 <sup>rd</sup> International Civil and Infrastructure Engineering Conference (INCIEC2015)	Institute for Infrastructure Engineering and sustainable management & FKA, UITM	Presenter	21-22 September 2015
Awam International conference on Civil Engineering 2015	School of Civil Engineering, USM & Construction Industry Development Board Malaysia (CIDB)	Presenter	9-11 September 2015
4 <sup>th</sup> International conference on Advance Mechanical Engineering (ICAME2015), 26-27 August 2015, Bali, Indonesia.	UiTM & Institute Teknologi Bandung	Presenter	26-27 August 2015
International Conference on Advanced Engineering and Technology (ICAET 2014)	Incheon Disaster Prevention Research Center	Presenter	4-6 Disember 2014

**NATIONAL**

CONFERENCE NAME	ORGANIZATION	POSITION	DATE
Symposium on Frontier Materials and Industrial Applications 2019 (SFMIA 2019)	IRMI, UiTM Shah Alam	Participant	29 August 2019
Invention, Innovation & Design Exposition 2019	Research InnovationBusiness Unit (RIBU), Universiti Teknologi Mara Shah Alam, Selangor	Participant	10-13 September 2019
International Invention, Innovation & Technology xhibition, Malaysia (ITEX 2019)	Malaysian Invention and Design Society	Participan & Presenter	2-4 May 2019
International Symposium on Application of Engineered Timber Products Towards High Rise Buildings Challenges and Opportunities	Malaysian Timber Industry Berhad	Participant	15 Novemebr 2018
Half-day seminar in innovative green recycled material-design & application	FKA, UiTM Shah Alam, Selangor	Participant	4 July 2018
Invention, Innovation & Design Exposition 2018	Research InnovationBusiness Unit (RIBU), Universiti Teknologi Mara Shah Alam, Selangor	Participant	24-28 September 2018
4 <sup>th</sup> Internal conference on Civil and Environment Engineering for Sustainability (IConCEES 2017), 4-5 December 2017, Langkawi	Universiti Tun Hussein Onn Malaysia	Presenter	4-5 December 2017
Seminar on Asphalt Pavement day: What's New?, 28 February 2017	Ream Young Engineers & Professional Group and Kemaman Bitumen Company (KBC)	Participant	28 February 2017
National Conference on Entrepreneurship (NICE2017)	Malaysian Academy of SME and Entrepreneurship Development (MASMED) & UITM	Participant	12 October 2017

Global Congress on Construction, material and structural engineering (GCOMSE2017)	Jamilus Research Center & UTHM commercial	Presenter	28-29 August 2017
Invention, innovation & design exposition 2015	Research InnovationBusiness Unit (RIBU), Universiti Teknologi Mara Shah Alam, Selangor	Participant	27-30 April 2015
Invention, innovation & design exposition 2014	Research InnovationBusiness Unit (RIBU), Universiti Teknologi Mara Shah Alam, Selangor	Participant	27-30 April 2014
Invention, innovation & design exposition 2017	Research InnovationBusiness Unit (RIBU), Universiti Teknologi Mara Shah Alam, Selangor	Participant	27-30 April 2014

### **COMMITTEE MEMBER -CONFERENCE**

CONFERENCE NAME	ORGANIZATION	POSITION	LEVEL	DATE
One Day Workshop on Bitumen Quality Control for Road Construction	IIESM & Kemaman Bitumen Company Sdn Bhd	Co-Chairman	Antarabangsa	28/2/2019
Program Talk On 'The Potential of Glued Laminated Timber from Malaysia Tropical Hardwoods as Railway Sleepers'	IIESM	Committee Member	Antarabangsa	1 Ogos 2019
12 th Malaysian Universities Transport Research Forum Conference 2017 (MUTRFC 2017)	FKA UiTM Shah Alam	Committee Member Promosi dan protokol	Antarabangsa	10 - 12/10/2017
1-Day seminar on Bituminous pavement preservation (SBPP 2016)	FKA UiTM Shah Alam	Committee Member Promosi dan Website	Antarabangsa	23 Mac 2016
Program integrated and informed modelling –workshop and discussion	FKA UiTM Shah Alam	Committee Member Publisiti	Antarabangsa	19 July 2016

International Civil and Infrastructure Engineering Conference (InCIEC 2015)	IIESM, UiTM Shah Alam	Committee Member	Antarabangsa	2015
10 th Malaysian Universities Transport Research Forum Conference 2017 (MUTRFC 2015)	FKA UiTM Shah Alam	Committee Member Promosi dan Website	Antarabangsa	24 - 25/11/2015

### 3.0 CONSULTANCY AND EXPERTISE

#### CONSULTATION

Perundingan (Jumlah Keseluruhan :RM 441,014.00

NO	INSTITUTION	PEROJECT	TOTAL	DATE COMPLETE
1	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	Performance Testing For Project: Mill & Pave Crma Di Ft 017 Sec.10.00-12.00 Dan 16.00-23.00 Highway Pasir Gudang Johor Bahru,Johor	5278.80	31/05/2021
2	Kamunting Premix Plant Sdn Bhd (Peter Tea Siew Wah)	(Kamunting Premix Plant)-Kerja - Kerja Cipr , Mill & Resurface ( Latex ) Di Laluan Ft001 , Section 682.00 - 683.00 , Jalan Ipoh - Butterworth , Daerah Larut Matang , Perak Darul Ridzuan	5936.00	24/05/2021
3	Gemencheh Granite Sdn Bhd (Mohd Hafiz Abu Samah)	Trial Lay Project Crumb Rubber Modified Asphalt (Crma)-Gemencheh Granite Sdn Bhd	2385.00	06/05/2021
4	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	Mill And Pave Crma DI Ft017sec 10.00-12.00 Dan 16.00-23.00 Highway Pasir Gudang Johor Bahru,Johor	6095.00	14/05/2021
5	Ahn Vertex Sdn Bhd (Nurul Izzah Syafrizal)	Dynamic Creep And Resilient Modulus Test	11130.00	06/05/2021
6	Gemencheh Granite Sdn Bhd (Mohd Hafiz Abu Samah)	2021-Gemencheh Granite-Hamburgh Wheel Tracking	4240.00	12/04/2021
7	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	2021-K2 Bitumen-Advanced Performance Testing	12190.00	16/04/2021
8	Teguh Suria Bistari Sdn Bhd (En Samsul)	2021-Teguh Suria Bistari-Phsical And Dynamic Creep Performance Testing	1865.60	05/03/2021
9	Teguh Suria Bistari Sdn Bhd (En	2021-Teguh Suria Bistari-Advanced Performance Testing (Scb & Hamburgh	4558.00	09/04/2021

	Samsul)	Wheel Tracking)		
10	Roadcare(M) Sdn Bhd (Mohamed Napi Bin Yunus)	2021-Latex Modified Binder (Lmb) & Latex Ac14 Modified Asphalt (Lma) Testing-Dynamic Shear Rheometer(Dsr), Dynamic Creep & Resilient Modulus For Site Ft05 Sect 468-471, Kuala Selangor, Selangor	3392.00	31/03/2021
11	Southern Premix Sdn Bhd (Hazimin B.Karim)	2021-Dynamic Creep-Laboratory Testing -Southern Premix	1272.00	02/04/2021
12	Anfb Engineering Sdn. Bhd (Ahmad Farid Bin Badarul Hisam)	2021-Pkfz-Coring And Laboratory Testing	9296.20	09/04/2021
13	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	2021-Nadi Kemajuan-Kemakmuran-Advanced Performance Testing	4558.00	31/03/2021
14	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	0221-Anggun Jaya Lestari-Kemakmuran-Advanced Performance Testing	4558.00	09/04/2021
15	Tru Testing Sdn Bhd (K.Chandran)	Bitumen Testing-Tru Testing Sdn Bhd	1696.00	30/03/2021
16	Southern Premix Sdn Bhd (Hazimin B.Karim)	Laboratory Testing-Southern Premix - Crma	2120.00	19/03/2021
17	Gemencheh Granite Sdn Bhd (Mohd Hafiz Abu Samah)	Laboratory Testing-Gemencheh Granite-Crma	2120.00	19/03/2021
18	Teguh Suria Bistari Sdn Bhd (En Samsul)	2021(2)- Teguh Suria Bistari - Laboratory Testing	560.00	16/03/2021
19	Teguh Suria Bistari Sdn Bhd (En Samsul)	2021(1)- Permata Megah Laboratory Testing	560.00	15/03/2021
20	Ahn Vertex Sdn Bhd (Muhammad Azim B. Ab Rahaman)	Laboratory Testing-Hamburg Test Via Wheel Tracking Machine (Apa Jr)	4240.00	11/03/2021
21	K2k Construction Sdn Bhd (Azmir Shahrudin)	(1)-2021-K2k Construction Sdn Bhd-Laboratory Testing	3551.00	26/02/2021
22	Awana Hikmat Sdn Bhd (Fazrul Hassan)	Bitumen Content Testing-Awana Hikmat Sdn Bhd	530.00	08/03/2021
23	Kemakmuran 2000 Sdn Bhd (Loke Hoe)	Resilient & Creep Laboratory Testing Kemakmuran 2000 Sdn Bhd	4250.00	08/01/2021
24	Permata Seri Megah Sdn Bhd	(10) Site Work & Laboratory Testing-Pavement Coring	3,210.00	08/12/2020
25	Permata Seri Megah Sdn Bhd	(9) Site Work & Laboratory Testing-Pavement Coring	2,190.00	15/10/2020
26	Permata Seri Megah Sdn Bhd	(8) Site Work & Laboratory Testing-Pavement Coring	2,920.00	30/09/2020
27	Permata Seri Megah Sdn Bhd	(7) Site Work & Laboratory Testing-Pavement Coring	730.00	31/08/2020

28	Kemakmuran 2000 Sdn Bhd	Laboratory Testing Kemakmuran 2000 Sdn Bhd	800.00	31/08/2020
29	Kemakmuran 2000 Sdn Bhd	(2) Laboratory Testing Kemakmuran 2000 Sdn Bhd	4,330.00	30/09/2020
30	K2k Construction Sdn Bhd	Laboratory Testing- K2k Construction Sdn Bhd	730.00	31-08-2020
31	Roadcare(M) Sdn.Bhd	Penyenggaraan Jalan-Jalan Persekutuan Semenanjung Malaysia Zon Tengah-Timur -Lmb &Lma Testing (Dsr, Dynamic Creep & Resilient Modulus Tests)	2,600.00	31-08-2020
32	Permata Seri Megah Sdn Bhd	(6) Site Work & Laboratory Testing- Pavement Coring	1,960.00	15-08-2020
33	Permata Seri Megah Sdn Bhd	(5) Site Work & Laboratory Testing- Permata Seri Megah Sdn Bhd(Bitumen Content & Sieve Analysis)	1,460.00	21-08-2020
34	Blacktop Industries Sdn Bhd	Blacktop-Laboratory Testing (Vto Product)	900.00	26-07-2020
35	Blacktop Industries Sdn Bhd	Blacktop-Laboratory Testing (Resilient Modulus & Ignition Oven Tests)	2,600.00	27-07-2020
36	Roadcare(M) Sdn.Bhd	Latex-(Lmb & Lma ) Testing-Dynamic Shear Rheometer (Dsr) , Dynamic Creep & Resilient Modulus Test	2,600.00	20-07-2020
37	Permata Seri Megah Sdn Bhd	(4) Site Work & Laboratory Testing- Permata Seri Megah Sdn Bhd(Bitumen Content & Sieve Analysis)	1,400.00	27-07-2020
38	Permata Seri Megah Sdn Bhd	(3) Site Work & Laboratory Testing- Permata Seri Megah Sdn Bhd(Bitumen Content & Sieve Analysis)	1,400.00	6-07-2020
39	Teguh Nur Ain Enterprise	Kerja-Kerja Pembaikan Jalan Dengan Kaedah Cmb Ft063 Sec 68-71, Daerah Rompin, Pahang	2,100.00	10-07-2020
40	Permata Seri Megah	Site Work And Laboratory Testing (Kuantan-Permata Seri Megah)	2,640.00	18-06-2020
41	Permata Seri Megah	Site Work & Laboratory Testing	4,190.00	30-06-2020
42	Dc Excellent Sdn Bhd	Pembaikan Jalan Mill& Pave (Cmb) Di Jalan Utama Jengka Utara/Selatan, Laluan Ft83, Seksyen 48-49, Maran, Pahang	2,100.00	18-03-2020
43	Nr Mutiara Trading	Pavement & Road Marking At Route 83, Section 42-43, Jalan Utara Jengka/Selatan, Maran, Pahang	2,100.00	20-03-2020
44	Roadcare(M) Sdn Bhd	Projek 2 Cma Testing At Ft08, Jalan Bentong-Gua Musang, Section 18.50-20.70, Bentong, Pahang	2,100.00	21-02-2020
45	Perkasa Maju Gemilang Sdn Bhd	Ft 02, Sec.187.00-188.50, Jalan Karak-Temerloh, Pahang	2,100.00	21-02-2020
46	Perkasa Maju Gemilang Sdn Bhd	Periodic Maintenance Works (Cma) At Ft 98, Section 39.00-40.00, Jalan	2,100.00	21-02-2020

		Temerloh-Jerantut,Pahang		
47	Johol Engineering & Civil Works	Periodic Maintenance Works At Route Ft02, Section 335-338, Jln Kuala Lumpur Kuantan, Pahang	2,100.00	17-02-2020
48	Irasbina Enterprise	Pavement & Road Marking At Route Ft 08,Section 38-40, Jln Bentong-Gua Musang,Pahang	2,100.00	10-02-2020
49	Teguh Suria Bistari Sdn Bhd	Periodic Maintenance Works 2020 At Route Ft 03,Section 206.00-208.00, Jalan Endau-Kuantan, Bentong, Pahang	2,100.00	28-02-2020
50	Zif Enterprise	Ft64 Section 63-65 Jalan Benta-Maran,Daerah Jerantut (Blacktop Jerantut)	2,100.00	17-01-2020
51	Syarikat Esan	Cma Coring Sample @Route Ft08, Section 22.70-24.20, Jln Bentong,Gua Musang, Bentong, Pahang	2,100.00	17-01-2020
52	Clean Maintenance	Ft02 Sec 363-365 Jalan Kuala Lumpur-Pelabuhan Kuantan	2,100.00	16-01-2020
53	Road Care (Pavement Unit)	Cma Coring Sample At Ft08, Jalan Bentong-Gua Musang,Section 18.50-20,70,Daerah Bentong, Pahang	2,100.00	16-01-2020
54	Limar Emas Sdn Bhd	Mill &Pave 50mm (Cma) Di Jalan Bentong-Gua Musang, Lualan Ft08 Seksyen 30.00-32.00 Daerah Raub, Pahang	2,100.00	17-02-2020
55	Permata Seri Megah Sdn Bhd	Projek Ft08 Sec 54. 750-54.850 Lhs, Jalan Bentong-Raub,Pahang	2,100.00	02-01-2020
56	Lz Teraju Resource	Ft02 Sec 335.00-338, Jalan Kuala Lumpur-Kuantan, District Of Kuantan,Pahang	2,100.00	02-01-2020
57	Road Asphalt Sdn Bhd	Dsr & Viscosity Test	1,350.00	04-11-2019
58	Ksb Engineering Services	Kerja-Kerja Menurap Semula Sebahagian Jalan Dan Membaikpulih Bahu Jalan Serta Kerja-Kerja Berkaitan Di Jalan Sg Putus 2,Daerah Klang Selangor	1,250.00	01-11-2019
59	Road Asphalt Sdn. Bhd.	Dsr Test 02	2,100.00	11-10-2019
60	Reenat Resources	Coring Testing Jalan Lorong Mahyudin, Kg Jalan Kebun	730.00	11-11-2019
61	Road Asphalt Sdn. Bhd.	Dsr Test 01	1,750.00	04-10-2019
62	Lembaga Getah Malaysia	Determination Of Mixing And Compaction Temperature 01	900.00	04/10/2019



63	Ideal Engineering Laboratory Sdn Bhd	Batch 3 - Ulu Jelai Re-Regulating Weir Project Geotechnical Site Investigation	6,750.00	31-10-2009
64	Universiti Teknologi Malaysia	Dynamic Shear Rheometer Testing	2,000.00	23-08-2019
65	Ideal Engineering Laboratory Sdn Bhd	Batch 2 - Ulu Jelai Re-Regulating Weir Project Geotechnical Site Investigation	5,800.00	5-08-2019-30-2019
66	Ksb Engineering Services	Laboratory Testing For Marshall Sample	6,250.00	21-07-2019
67	Ideal Engineering Laboratory Sdn Bhd	Laboratory Testing For Rock And Aggregate	16,450.00	27/09/2019
68	Wira Bakti Solution	Laboratory Testing For Coring Sample (Jln Kenangan, Meru & Jalan Bukit Rimau, Bukit Kemuning, Klang)	4,080.00	10-04-2019
69	Elcorp Technology Sdn Bhd	Coring And Laboratory Of Pavement And Soil Samples From The Dash Highway	108,244.00	10/03/2020
70	Asia Edu2ur Resources	Hands-On Workshop On Asphaltic Concrete Mix Design	3,970	19/02/2019
71	Organisasi Pelbagai	Workshop On Mechanistic Flexible Pavement Design	15,000	6/12/2018
72	Kbc Trading Sdn Bhd	Laboratory Testing Emulsion Series 2	2,050.00	07/02/2019
73	Kbc Trading Sdn Bhd	Laboratory Testing Of Bitumen Emulsion	1,100.00	30/11/2018
74	Sasaran Teguh Enterprise	Kerja-Kerja Menurap Semula Sebahagian Jalan Dan Membaikpulih Bahu Jalan Serta Kerja-Kerja Yang Berkaitan Di Jalan Imam Yusuf, Pulau Indah, Daerah Klang, Selangor	1,240	09/11/2018
75	Sasaran Teguh Enterprise	Kerja-Kerja Menurap Semula Sebahagian Jalan Dan Membaikpulih Bahu Jalan Serta Kerja-Kerja Di Jalan Batas & Jalan Sempadan Kapar Dan Juga Jalan Persiaran Masjid Sultan Pulau Indah, Daerah Klang Selangor	3,320	09/11/2018
76	Sasaran Teguh Enterprise	Menjalankan Ujian Makmal Bagi Kerja-Kerja Membaiki Kerosakan Sebahagian Jalan Serta Kerja-Kerja Yang Berkaitan Bagi Daerah Klang, Selangor Di: 1)Jalan Durian; 2) Jalan Dusun, ; 3) Jalan Nenas ; 4) Jalan Klinik, ; 5)Jalan Sg Kandis Dan 6)	6,900	02/11/2018

		Jalan Wan Zaleha		
77	Ikram Skills And Retraining Academy (Hajah Zarina Hj Md Zamin)	Workshop And Hands On Testing For Infrastructure Materials	12,000	06/09/2018
78	Onimann International Sdn.Bhd (Ahmad Farid B. Badarulhisam)	Testing Bagi Kerja Menurap Semula Jalan Kampung Lombong Timah 4, Klang	550.00	31/05/2018
79	Wan Enterprise (Farid)	Skid Resistance Testing-Telok Gong,Klang	530.00	28/11/2017
80	Faiz Hashim Resources (Azman Faiz Abu Hasim)	Daerah Petaling: Sample Coring - Turapan Jalan	6,000.00	13/07/2017
81	Fitura Enterprise (Azura Umar)	Jaan Kubur ,Klang (Lab Testing)	3,000.00	13/07/2017
82	Fitura Enterprise (Azura Umar)	Coring Sample -Lab Testing Fitura Enterprise	2,000.00	27/03/2017
83	Wira Bakti Solution (Azman Faiz)	Testing Coring Sample :Jln Jati Kiri & Jln Bukit Kapar, Klang	3,000.00	27/03/2017
84	Uem Edgenta Environmental & Material Testing Sdn Bhd (Zamry Mohamed Yunus)	Training Workshop On Pavement Evaluation & Rehabilitation	9,540.00	8/12/2016
85	Jkr Klang (En Razif)	Sample Coring -Audit Projek Turapan Jalan Jkr Klang	4,833.00	17/11/2016
86	Reenat Resources (Firdaus)	Testing For Density And Binder Content	3,500.00	23/11/2016
87	Wira Bakti Solution (Farid)	Testing Coring Sample-Jln Othman, Jln Hj Manan Dan Jln Bt 3	4,500.00	7/10/2016
88	Jabatan Kerja Raya (Farid)	Sample Coring Projek Jalan Lorong 7 Dan Jalan Lorong 8, Selangor	1,780.00	20/09/2016
89	JKR (Arif)	Sample Coring Projek Jln Uda Habib Dan Jln Bakri,Selangor	2,544.00	20/09/2016

90	Sha Maintenance (Zakaria)	Testing Sha Maintenance	848.00	20/09/2016
91	Uem Edgenta Environmental & Material Testing Sdn Bhd (Zamry Mohamed Yunus)	Repeated Axial Load Test For Uem Edgenta	2,544.00	29/07/2016
92	Perniagaan Emzek (Firdaus)	Projek Sri Perantau,Klang- Density And Marshall Testing	3,110.00	29/06/2016
93	Big Man Work (Musa Bin Yaacob)	Projek Sg Udang-Testing Of Density And Stability Flow	3,021.00	21/06/2016
94	Futura Enterprise (Farid)	Density And Stability Flow Testing	5,000.00	19/05/2016
95	Nescaya Positif Sdn Bhd (Mohanthas Samy)	Testing Terrapave Cold Mix	2,968.00	19/05/2016
96	Terrapave Manufacturing (M) Sdn Bhd (Mr Thaya)	Kajian Lanjutan Perbandingan Antara Carboncor Dan Cold Mix Berlainan	25,440.00	8/9/2016
97	Geo Solution Resources (Ahmad Nizam Hasan)	Kerja-Kerja Survei Resistiviti Di Sekitar Kawasan Kajian Pengurusan Cerun Di Salak Tinggi, Spg	5,000.00	23/02/2016
98	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Petaling	2,544.00	17/12/2015
99	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Hulu Langat Projek 2	1,802.00	17/12/2015
100	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Kuala Langat	2,544.00	26/11/2015
101	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Kuala Selangor, Selangor	2,544.00	17/11/2015
102	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Klang	2,544.00	17/11/2015
103	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Sabak Bernam, Selangor	2,544.00	17/11/2015
104	Jabatan Kerja Raya Malaysia	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor - Sepang	2,120.00	16-11-2015

105	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Testing Coring Sample Bagi Projek Turapan Jalan Di Jkr Daerah Hulu Selangor	2,544.00	5/11/2015
106	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Projek Turapan Jalan Di Negeri Selangor	2,400.00	5/11/2015
107	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Sample Coring Bagi Audit Projek Kerja Turapan Jalan Di Jkr Negeri Selangor-- Daerah Hulu Langat	2,400.00	5/11/2015
108	Jabatan Kerja Raya Malaysia (Ir Zulkhairi Bin Abd Aziz)	Coring Sampel	2,400.00	21/10/2015
109	Geo Solution Resources (Ahmad Nizam)	Menjalankan Kerja-Kerja Survei Resistiviti Di Cerun Runtuh Di Cyberjaya	800.00	15/09/2015

## **EXPERTISE**

### ***EXAMINER / EVALUATER / JUDGES***

<b>PERLANTIKAN/JEMPUTAN</b>	<b>UNIVERSITI/AGENSI KERAJAAN/SWASTA/BADAN PROFESIONAL</b>	<b>TEMPOH</b>
Judge for the International Research Invention, Innovation and Exhibition (I-RIE 2021)	ARI-UiTM	14/06/2021-20/06/2021
International Jasin Multimedia & Computer Science Invention & Innovation Exhibition 2020 (i-JaMCSIIX 2020)	i-JaMCSIIX 2020 UiTM Cawangan Melaka Kampus Jasin	17/02/2020-28/02/2020
Jury for Virtual Innovation Competition 2020 (VIC2020)	UiTM cawangan Kelantan	01/06/2020-30/06/2020
Panel Penilai (Juri) Pertandingan Projek Mini Sains, Program Engineering Mathematics Science and Computer, Exhibition & Innovation 2020	Politeknik Shah Alam	27 February 2020
Panel Temuduga Program Hadiah Latihan Persekutuan Dan Cuti Belajar Bergaji Penuh Tanpa Biasiswa JPA sesi 2020	Jabatan Perkhidmatan Awam	23 & 25 Julai 2019

Panel Temuduga hlp	SPA	23/07/2019-25/07/2019
Penyemak kertas soalan Ijazah sarjana muda (EC220)	FKA / UiTM	17 Febuari 2020- 19 Febuari 2020
Panel penilai bagi Disertasi (AMT709/ECD734)	FKA / UiTM	Sesi (Sept 2019-Januari 2020)
Panel penilai bagi Disertasi (ECD728 &ECD737)	FKA / UiTM	Sesi (Sept 2019-Januari 2020)
Panel penilai bagi Disertasi (AMT709/ECD734)	FKA / UiTM	Sesi (Mac 2019-Julai 2019)
Panel penilai bagi Disertasi (ECD728 &ECD737)	FKA / UiTM	Sesi (Mac 2019-Julai 2019)
Panel penilai bagi Disertasi (ECD728 &ECD737)	FKA / UiTM	Sesi (Sept 2018-Jan 2019)
Panel penilai bagi Disertasi (AMT709/ECD734)	FKA / UiTM	Sesi (Sept 2018-Jan 2019)
Panel penilai bagi Disertasi (ECD728 &ECD737)	FKA / UiTM	Sesi (Sept 2017-Januari 2018)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2019 – Januari 2020)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2019 – Januari 2020)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2019-Julai 2019)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2019-Julai 2019)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2018 – Januari 2018)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2018 – Januari 2018)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2018 – Julai 2018)

Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2018-Julai 2018)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2017-Januari 2018)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2017-Januari 2018)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2017 – Julai 2017)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2017 – Julai 2017)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2016 – Januari 2017)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2017 – Julai 2017)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2016 – Julai 2016)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Mac 2016 – Julai 2016)
Panel penilai bagi FYP1 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2015– Januari 2016)
Panel penilai bagi FYP2 (ECC588/ECW521)	FKA / UiTM	Sesi (Sept 2015– Januari 2016)
Pemeriksa kedua program EC220	FKA / UiTM	Sesi (Sept 2019-Januari 2020)
Pemeriksa kedua program EC220	FKA / UiTM	Sesi (Mac 2019-Julai 2019)
Pemeriksa kedua program EC220	FKA / UiTM	Sesi (Sept 2018-Disember 2018)
Pemeriksa kedua program EC220	FKA / UiTM	Sesi (Mac 2016-Julai 2016)
Penyelia Latihan Industri Fakulti Kejuruteraan Awam, UiTM	FKA / UiTM	Sesi (Julai 2019-September 2019)

Penyelia Latihan Industri Fakulti Kejuruteraan Awam, UiTM	FKA / UiTM	Sesi (Julai 2018-September 2018)
Penyelia Latihan Industri Fakulti Kejuruteraan Awam, UiTM	FKA / UiTM	Sesi (Julai 2016-Sept 2016)
Penyelia Latihan Industri Fakulti Kejuruteraan Awam, UiTM	FKA / UiTM	Sesi (Julai 2015-September 2015)
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	17 Febuari 2020- 19 Febuari 2020
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	28 Ogos 2019-30 Ogos 2019
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	20 Febuari 2019-22 Febuari 2019
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	27 Ogos 2018-3- Ohgos 2018
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	26 Febuari 2018- 1 Mac 2018
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	5 September 2017-8 September 2017
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	27 Febuari 2017- 2 Mac 2017
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	22 Ogos 2016- 25 Ogos 2016
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	23 Febuari 2016- 25 Febuari 2016
Penyedia Kertas Soalan Peperiksaan Bidang Geotren	FKA / UiTM	27 ebuari 2016- 2 Mac 2016

**REVIEWER : JOURNAL ARTICLE / WORKING PAPER / TECHNICAL / SCIENTIFIC**

TYPE OF APPOINTMENT	ORGANIZATION	TITLE	LEVEL	DURATION
Reviewer of Construction UMP	UMP	Performance Of Porous	International	10/06/2021-

Journal		Asphalt Mixture Containing Seashell as Aggregate Replacement		22/06/2021
Reviewer of Construction UMP Journal	UMP	Porous Asphalt Modification Using Different Types of Additives	International	10/06/2021-22/06/2021
Reviewer	UMP-4th National Conference on Wind and Earthquake Engineering	Evaluating the Performance of Reclaimed Asphalt Pavement Incorporating Pellet RAP as a Rejuvenator	National	18/09/2020-19/09/2020
REVIEWER Ain Shams Engineering Journal	Ain Shams Engineering Journal	Investigating the Engineering Properties of Asphalt Binder Modified with Waste Plastic Polymer	International	01/06/2020-01/06/2020
Reviewer of SCESCM 2020 (5th International Conference on Sustainable Civil Engineering Structures and Construction Materials).	UiTM	Impact of proposed Bus Rapid Transit (BRT) Peshawar on modal shares of private modes	International	01/03/2020-13/03/2020
Reviewer of SCESCM 2020 (5th International Conference on Sustainable Civil Engineering Structures and Construction Materials).	UiTM	The Usage of Bottom Ash as a Substitute for Cement in Subbase Layer of Road Pavement	International	01/03/2020-13/03/2020
REVIEWER	UMP-"4th National Conference on Wind and Earthquake Engineering	Use of Treated Plastic as Additive to Improve the Performance of Hot Mix Asphalt by Using Dry Mix Method	National	18/09/2020-19/09/2020
REVIEWER OF Ain Shams Engineering Journal	Ain Shams Engineering Journal	Investigation on using a bituminous sub-ballast layer to enhance the structural behavior of high-speed ballasted tracks	International	03/04/2020-30/04/2020



reviewer of paper ICSIE 2020: 062-052 entitled "A Study on Durability for Rigid Pavement Against Acid Environment and Displacement Mode	UTHM	review of paper ICSIE "A Study on Durability for Rigid Pavement Against Acid Environment and Displacement Mode	International	14/11/2020-14/11/2020
Reviewer of SCESCM 2020 (5th International Conference on Sustainable Civil Engineering Structures and Construction Materials).	UiTM	Environment Friendly Pavement Mix Design with Dates' Seeds for GCC.	International	01/03/2020-01/03/2020
Reviewer of Journal: International Journal of Pavement Research and Technology	Pavement Research and Technology	Improvement the Durability of the Hot Mix Asphalt by Using Crumb Rubber	International	01/10/2019-12/10/2019
REVIEWER for 5th International Conference on Civil and Environmental Engineering for Sustainability	UTHM	Prediction of Rheological Properties of Bio-asphalt Binders Through Response Surface Methodology	International	06/10/2019-10/10/2019
1st International Conference on Highway and Transportation Engineering (1st ICHITRA)	UTM	Rutting, Stripping and Cracking Performance of Warm Mix Asphalt	International	12/12/2018-14/12/2018
1st International Conference on Highway and Transportation Engineering (1st ICHITRA)	UTM	Effect of the densification of the reinforced-asphalt mixtures on the permanent deformation	International	12/12/2018-14/12/2018
Reviewer of Journal: International Journal of Pavement Research and Technology	The Editors of International Journal of Pavement Research and Technology	Evaluating the Effect of Crushed Waste Glass on The Performance of Cold Bituminous Emulsion Mixtures	National	22/12/2018-24/12/2018
Reviewer of The 12th International Civil Engineering Post Graduate	UITM	Evaluation of Vehicle Overloading Along Muar-Melaka Road	National	12/12/2018-13/12/2018

Conference (SEPKA)				
Reviewer of The 12th International Civil Engineering Post Graduate Conference (SEPKA)	UITM	Performance Of Asphalt Mixture Incorporating Kaolin Clay at Different Aging	National	12/11/2018-14/11/2018
International Journal of Engineering & Technology	Pavement Research and Technology	Modification of HMA Using Palm Oil Boiler Ash as A Filler	International	2018

### ***WORKSHOP: SPEAKER/FACILITATOR/ACADEMIC TRAINING***

TYPE OF APPOINTMENT	ORGANIZATION	LEVEL	PROGRAMME	DATE
Fasilitator/ Advisor	UiTM	National	programme Promoting Road Safety Awareness Among High School Students.	26/04/2021
Speaker	UiTM	National	programme Promoting Road Safety Awareness Among High School Students.	26/04/2021
Speaker	IIESM & Politeknik Merlimau	National	Penceramah/ Fasilitator Roadshow IIESM POLiteknik Melaka	27/08/2020
Speaker	IIESM & Politeknik Merlimau	National	Penceramah/ Fasilitator Roadshow IIESM POLiteknik Melaka	27/08/2020
Speaker	Office of Deputy Vice-Chancellor - Research & Innovation UITM	National	LIVE Research Webinar Series 2.0 under Office of Deputy Vice-Chancellor - Research & Innovation UITM	26/08/2020
Facilitator	IIESM & university syiah Aceh	National	Academic Researchers Under Mobility Programme of IIESM Staff at Universitas Syiah Kuala, Banda Aceh, Sumatera, Inoonesia	24/04/2019 - 28/04/2019
Facilitator	IIESM	National	Academic Mobility to DURA Technology (Academic training)	20/06/2019 - 21/06/2019
Speaker	UNIMAP	National	Penceramah Jemputan Bagi Program Kejuruteraan Awam	08/11/2019
Speaker	Universitas Syiah Kuala.Acheh, Indonesia	International	Kuliah Tamu di Fabultas Tebnib Universitas Syiah Kuala Dengan Terna: 'Durable Strong and Long-lasting Pavement using Nanohybrid Binder,,	24/04/2019
Facilitator	IIESM, UiTM	National	Uji makmal Pelajar Al-Madinah International Universiti (MEDIU)	29/07/2018
Speaker	IIESM, UiTM	National	Workshop and Hands on Testing for Infrastructure Materials	09/07/2018 - 13/07/2018
Speaker	Fakulti Kejuruteraan Awam, UiTM	National	Lawatan penanda aras fakulti kejuruteraan awam-Madinah Universiti	11/01/2018
Speaker	Fakulti Kejuruteraan Awam, UiTM	National	FYP 1 Talk	14/03/2018
Speaker	Fakulti Kejuruteraan Awam, UiTM	National	OBE Refresher Course	21/03/2018

Speaker	Fakulti Kejuruteraan Awam, UiTM	National	Program ke arah Kecemerlangan Akademik (KACA) siri 1	24/03/2017
Speaker	Fakulti Kejuruteraan Awam, UiTM	National	Pensyarah & Staf Teknikal menjalankan Uji makmal di makmal jalanraya fakulti kejuruteraan awam, Uitm shah Alam	04/01/2017
Speaker	Fakulti Kejuruteraan Awam, UiTM	National	Panel Pembangunan Sumber Manusia (PPSM), FKA, UiTM Shah Alam	05/04/2017

### **POLICY MAKER : STANDARD, GUIDELINE, PROCEDURE, ACT**

TYPE OF APPOINTMENT	ORGANIZATION	LEVEL	TITLE	DURATION
Ahli Jawatankuasa Menyemak Spesifikasi Piawai Kerja Jalan (Section 4 : Flexible Pavement)	JKR	National	Menyemak Spesifikasi Piawai Kerja Jalan (Section 4 : Flexible Pavement)	17/08/2020-17/08/2021
Pencalonan Wakil di dalam Kumpulan Kerja Untuk Pembangunan Dokumen Eco- Labelling Criteria – Drilling Fluids	Jabatan Penyelidikan Dan Pembangunan Standard Sirim Sts Sdn Bhd	National	Pembangunan Dokumen Eco- Labelling Criteria – Drilling Fluids	10/10/2020-10/10/202

## **4.0.INNOVATION/COMMERCIALIZATION /ENTREPRENEURSHIP**

### **AWARD/MEDAL**

AWARD/MEDAL	ORGANIZER/SPONSOR	LEVEL	YEAR
GOLD Award (Invention, Innovation & Design Exposition (IIDEX 2019))	IRMI UiTM	International	2019
GOLD Award (International Invention, Innovation and Technology Exhibition)(ITEX 2019))	Malaysian Invention and design society (ITEX2019)	International	2019
GOLD Award (Invention, Innovation & Design Exposition (IIDEX 2018))-Gold	IRMI UiTM	International	2018
GOLD Award (International Invention, Innovation and Technology Exhibition)(ITEX	IRMI UiTM	Faculty	2018

2018))-Gold			
GOLD Award (Invention, Innovation & Design Exposition (IIDEX 2017))-Gold	IRMI UiTM	International	2017
SILVER Award Malaysia Technology Expo 2017-Silver	IRMI UiTM	International	2017
GOLD Award (Invention, Innovation & Design Exposition (IIDEX 2016))-Gold	IRMI UiTM	International	2016
PLATINUM HANG TUAH Award Melaka International Intellectual Exposition (MIIEEx 2015) - Platinum-Gold	PLATINUM HANG TUAH Award Melaka International Intellectual Exposition (MIIEEx 2015) -Platinum	Faculty	2015
GOLD Award Melaka International Intellectual Exposition (MIIEEx 2015) -Gold-Gold	UNIVERSITI TEKNOLOGI MARA MELAKA	Faculty	2015
BRONZE Award (Invention, Innovation & Design Exposition (IIDEX 2015))-Bronze	IRMI UiTM	International	2015
BRONZE Award (Invention, Innovation & Design Exposition (IIDEX 2014))-Bronze	IRMI UiTM	International	2014

### **PATERN/COPYRIGHT IPR**

TITLE/PRODUCT	REFERENCE NUMBER/ RECONIGNTION	DATE	ROLE	LEVEL	RESEARCH TYPE
Nano-asphalt: Nano _modified Asphalt Binder for High Strength & Durable Asphalt Surfacing for Highways	LY2019005259	10-15 September 2019	Member	Antarabangsa	Hak Cipta IPR
Smart Pave – durable, strong, and long-lasting pavement using Nanohybrid binder	LY 2018004211	2-4 May 2019	Head	Antarabangsa	Hak Cipta IPR
Performance I-GRADE; Innovative Gradation for Sustainable and Economical Pavement	LY 2017003567	10-12 May 2018	Head	Antarabangsa	Hak Cipta IPR

Smart Pave – durable, strong, and long lasting pavement using Nanohybrid binder	GOLD Award (International Invention, Innovation & Technology Exhibition, Malaysia)-(ITEX 2019)	2-4 May 2019	Head	Antarabangsa	Innovation
I-GRADE; Innovative Gradation for Sustainable and Economical Pavement	GOLD Award (International Invention, Innovation & Technology Exhibition, Malaysia)-(ITEX 2018)	10-12 May 2018	Head	Antarabangsa	Innovation
Smart Pave – durable, strong, and long lasting pavement using Nanohybrid binder	GOLD Award (Invention, Innovation & Design Exposition (IIDEX 2018))	24-28 September 2018	Head	Antarabangsa	Innovation

## **ENTREPRENEURSHIP**

### ***ENTREPRENEURIAL PROJECT INVOLVEMENT***

<b>ROLE</b>	<b>DURATION</b>	<b>YEAR</b>	<b>PROJECT</b>	<b>LEVEL</b>
Pensyarah dan Penyelia Projek Healthy Engineering Day	9-16 Disember 2017	2017	Healthy Engineering Day-FKA Entrepreneurship Day	Faculty
Participant	12 Oktober 2017	2017	(National Conference on Entrepreneurship-NICE2017) anjuran MASMED	National

**FUNDRAISING REVENUE FROM ENTREPRENEURIAL PROGRAMS**

PROJECT	FUND	YEAR	LEVEL
1-Day Seminar on Bituminous Pavement Preservation	RM 20,000	23 March 2016	Kebangsaan
Integrated and Informed Transport Modelling Workshop	RM 720.00	19 Julai 2016	Kebangsaan

**TEACHING / LEARNING INNOVATION (FACULTY/STATE UNIVERSITY/BRANCH/INTEC LEVEL)**

PROJECT	LEVEL	ROLES	DURATION	YEAR
Blended Learning	University	Leader	01/02/2020-01/09/2020	2020
Blended Learning	University	Leader	27/09/2020-15/02/2021	2020
Blended Learning	University	Leader	01/03/2019-01/07/2019	2019
Anugerah Pelaksanaan Blended Learning Cemerlang Fakulti Kejuruteraan Awam	Faculty	Leader	25/03/2019-25/07/2019	2019
MOOC ECG524	University	Leader	22/07/2019-22/07/2019	2019
MOOC ECG524	University	Leader	03/04/2019-11/11/2019	2019

## 5.0 SERVICES (UNIVERSITY/STUDENT/COMMUNITY)

### UNIVERSITY

#### **ADMINISTRATION**

REF NO	DATE	POSITION	DEPARTMENT/FACULTY
100 FKA-PTA (9/1)	01/03/2016- 31/07/2016	Coordinator Academic	Faculty of Civil Engineering
500 FKA (PT 23/4)	20/01/2017- 01/06/2020	Coordinator Academic	Faculty of Civil Engineering
500 FKA (PTA 23/1)	01/03/2016- 31/07/2016	Coordinator Academic	Faculty of Civil Engineering
500 FKA(PT 23/4)	01/03/2016- 31/07/2016	Coordinator Academic	Faculty of Civil Engineering
PT9/1	04/01/2017- 20/02/2019	Coordinator Academic/Depart ment (FYP)	Faculty of Civil Engineering

#### **UNIVERSITY LEVEL COMMITTEE**

REF NO	DATE	POSITION	COMMITTEE
500-HEA (PT 23/4)	01/01/2020- 31/01/2021	Active Member	Liason Officer di Office of Inteernational Affairs (LO OIA)
100-IRMI (HiCOE 16/2/5)	06/02/2018- 05/02/2020	Principal Researcher	Ahli Tetap Institut Kemerlangan COE UiTM -Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM)
100-IRMI (HiCOE 16/2/5)	06/02/2020- 05/02/2022	Principal Researcher	Ahli Tetap Institut Kemerlangan COE UiTM -Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM)
800 IRMI (CORE)(2/1/8)	17/02/2016- 30/09/2016	Active Member	Ahli Kumpulan Inisiatif Penyelidikan (RIG), entiti kecemerlangan tier 5 UiTM

**FACULTY/STATE UNIVERSITY/BRANCH/INTEC LEVEL**  
**COMMITTEE**

REF NO	DATE	POSITION	DEPARTMENT/FACULTY
-	29/01/2016-29/01/2019	Committee Member Kebajikan Staf (KESKA)	Faculty of Civil Engineering
-	28/08/2018-28/08/2018	Committee Member programme Iconic Bridge Competition	Faculty of Civil Engineering
500 FKA (PTA 37/8/2)	24/03/2019-24/03/2019	Fasilitator bagi program kearah kecemerlangan akademik (KACA) siri 1, Sesi Mac-Julai 2019 Fakulti Kejuruteraan awam	Faculty of Civil Engineering
500 FKA (23/4/1)	23/03/2016-23/03/2016	Committee Member programme 1-Day Seminar on Bituminous Pavement Preservation"	Faculty of Civil Engineering
NA	19/07/2016-19/07/2016	Committee Member programme 'Integrated&Informed Transport Modelling"-a workshop & Discussion"	Faculty of Civil Engineering
NA	17/09/2018-03/10/2018	Committee Member Konvensyen Kumpulan Inovatif dan kreatif (KIK) peringkat zon tengah	Faculty of Civil Engineering
100 FKA (PTA 16/1)	17/01/2017-17/01/2017	Committee Member MOU & Bengkel IRAP bersama MIROS	Faculty of Civil Engineering
500-IIESM (6/1)	14/02/2019-14/02/2019	Vice President- Workshop on Mechanistic Flexible Pavement Design	Faculty of Civil Engineering
500-FKA (PT 23/4/1)	10/10/2017-12/10/2017	Committee Member- Publisiti & protocol bagi program "Malaysian Universities Transport Reseach Forum Conference 2017 (MUTRFC) &AGKN	Faculty of Civil Engineering
500 FKA (PTA 23/1)	10/05/2018-10/05/2018	Urusetia Sesi Penyerahan Laporan Projek Tahun Akhir	Faculty of Civil Engineering
100 FKA (PT9/1)	09/08/2018-09/08/2018	Committee Member- Pendaftaran Malam Gala FKA2018	Faculty of Civil Engineering
100(IIESM 23/4/1)	08/08/2019-08/08/2019	Committee Member- Program Talk on 'The Potential of Glued Laminated Timber From Malaysia Tropical Hardwoods As Railway Sleepers'	Faculty of Civil Engineering
400 FKA (PT 27/3)	06/11/2017-08/11/2017	Committee Member- Liason semasa penilaian INQKA	Faculty of Civil Engineering
600 FKA (PTA 3/1)	05/08/2018-05/08/2018	Developer- Bahan Kursus Massive Open Online Courses (MOOC) 2018	Faculty of Civil Engineering



500 IIESM (23/4/3)	03/02/2020-04/02/2022	President- Jaringan Industri di Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM)	Infrastruktur dan Pengurusan Mampan (IIESM)
500-IIESM (PT 23/4)	02/01/2019-31/01/2021	Committee Member- Tabung Amanah Institut Kejuruteraan Infrastruktur Dan Pengurusan Mampan (IIESM)	Infrastruktur dan Pengurusan Mampan (IIESM)
100 FKA (PT9/1)	01/12/2017-30/11/2019	President- Final Year Project (FYP), Fakulti Kejuruteraan Awam	Faculty of Civil Engineering
CSM/appoinment /2018/(21)	01/11/2018-01/11/2020	Committee Member- Program Latihan Concrete Society of Malaysia (CSM)	Faculty of Civil Engineering
-	01/10/2017-31/10/2017	Committee Member- Pendaftaran-Program "Healthy Engineers Day 2017	Faculty of Civil Engineering
100 FKA (PTA 9/1)	01/06/2016-01/06/2016	Committee Member- Task Force program Hari Perkongsian Kesarjanaan Fakulti Kejuruteraan Awam	Faculty of Civil Engineering
500 IIESM (PT 23/4)	01/02/2019-31/01/2021	Vice President- Promosi Institut Kejuruteraan Infrastruktur dan Pengurusan Mampan (IIESM)	Infrastruktur dan Pengurusan Mampan (IIESM)
100 FKA (PT9/1)	01/02/2017-31/01/2019	Committee Member- SCL-CDIO Fakulti Kejuruteraan Awam	Faculty of Civil Engineering
100 FKA (PT9/1)	01/02/2017-31/01/2017	Committee Member- Kebajikan Fakulti Kejuruteraan Awam	Faculty of Civil Engineering
100 FKA (PTA 9/1)	01/02/2016-31/01/2017	Committee Member- Wakil Bidang GEOTREN Jawatankuasa Open Ended Laboratory (OEL), Fakulti Kejuruteraan Awam	Faculty of Civil Engineering

**PROFESSIONAL / SOCIETY / COMMUNITY (INTERNATIONAL / NATIONAL) MEMBERSHIP**

REF NO	DATE	ORGANIZATION	POSITION	LEVEL
-	01/09/2018-01/09/2020	KBC	MOU KBC-UiTM	National
-	2020-2022	Mahidol University Thailand	MOU Mahidol University Thailand - UiTM	International
-	2020-2022	ACP-DMT Sdn Bhd	MOU ACP-DMT Sdn Bhd -UiTM	National

19091068R	01/01/2019-31/12/2020	Geotechnique, Construction Materials (GEOMATE) Society, Japan	Active Member	International
44551	02/01/2017-01/01/2020	IEM	Active Member	National
45686A	02/01/2017-01/01/2020	BEM	Active Member	National
64936688	01/08/2020-01/08/2021	International Association of Innovation Professionals	Active Member	International
GT18050748 (Graduate Technologist)	05/02/2018-22/05/2021	Malaysia Board Of Technologist (MBOT), Malaysia	Active Member	National
PT18050672 (Professional Technologist)	05/02/2018-22/05/2021	Malaysia Board of Technologist (MBOT), Malaysia	Active Member	National

### ***STUDENT (CONTRIBUTION TO STUDENT DEVELOPMENT)***

REF NO	DATE	PROJECT	POSITION	LEVEL
-	Sesi 20212	Penasihat Pelajar EIS	Penasihat Pelajar	Faculty
-	01/01/2018-01/12/2020	Penasihat Pelajar	Penasihat Pelajar	Faculty
-	06/03/2019-06/03/2019	Program KACA	Fasilitator	Faculty
100 FKA (pta 37/8/2)	01/04/2018-28/03/2018	Program KACA (Fasilitator)	Others	Faculty
500 FKA (PTA 2/1)	25/10/2018-25/10/2018	Pencatat Minit Pepertiksaan Lisan (VIVA) pelajar PhD :Tuan Badrol Hisham Tuan Besar (2012493162)	Others	Faculty
500FKA (PT 23/4/1)	01/09/2016-31/08/2018	Sukan antara Fakulti (SAF) (2017)-Pengurus Bola Keranjang	President	Faculty
600 FKA (PTA 2/1)	20/03/2019	Pencatat Minit Pepertiksaan Lisan (VIVA) pelajar PhD :Wardati Hashim (2011497906)	Pencatat minit	Faculty
600 FKA(PTA 2/1)	28/11/2019	Pencatat Minit Pepertiksaan Lisan (VIVA) pelajar Ijazah Sarjana :Nurul Syahirah	Pencatat minit	Faculty

		Fatinah Mustapa (2017808592)		
-	2015-2021	Penyelia FYP	Penyelia	Faculty
-	2011-2016	Penyelia Bersama Pelajar Program Sarjana Sains	Penyelia	Faculty
-	2015-2020	Penyelia Latihan Industri	Penyelia	Faculty
-	Mac 2018- July 2018	Speaker-Final Year Project	Speaker-	Faculty
-	Sukan antara Fakulti (SAF) (2017)	Pengurus Mountain Bike-Sukan antara Fakulti (SAF) (2017)	Pengurus Mountain Bike-	Faculty
-	28th August 2018	Fasilitator- Iconic Footbridge STEM student development on 28th August 2018	Fasilitator	Faculty
2015 - 2020	Final Year Project	Panel Penilai Dalaman	Fakulti	Faculty
2019-2020	Master Dissertation	Panel Penilai Dalaman	Fakulti	Faculty

### **PUBLIC SOCIETY/COMMUNITY/NGO/OTHERS**

#### **ORGANIZATION(MEMBERS) (CONTRIBUTION TO COMMUNITY)**

REF NO	DATE	PROJECT	POSITION	LEVEL
500 FKA (PT23/1)	22/05/2017-25/07/2017	Program Rekabentuk & Teknologi Peringkat Daerah Kuala PIlah	Facilitator/Mentor	National
500 FKA (PT23/2)	22/11/2017-25/11/2017	Program Rekabentuk & Teknologi Fasa 2 & 3	Facilitator/Mentor	National
-	28/08/2018	Iconic Footbridge STEM student development on 28th August 2018	Fasilitator dan ajk penjurian	National
-	2017-sekarang	Persatuan Ibu Bapa dan Guru (PIBG) Sk seksyen 6, shah alam	Sk seksyen 6, shah alam	-
-	2017-sekarang	Persatuan Penduduk Taman Cahaya Alam, Shah Alam, Selangor	Taman Cahaya Alam, Shah Alam, Selangor	-

## 6.0 ACCOLADES AND ACADEMIC AWARDS

### ***ACADEMIC AWARDS***

DATE	AWARD	INSTITUTION	TOTAL GRANT	LEVEL
31/03/2021	FYP Best Thesis Award SV(Ts Dr Ekarizan)	Faculty of Civil Engineering	Appreciation certificate	University
31/03/2021	FYP Best Presentation Award SV(Ts Dr Ekarizan)	Faculty of Civil Engineering	Appreciation certificate	University
15/03/2021	Anugerah Pengajaran	Faculty of Civil Engineering	RM250 & Appreciation certificate	University
15/09/2020	Tempat Pertama Kursus Blended Learning Terbaik kategori Sarjana Muda	e-Learning, Faculty of Civil Engineering	RM200 & Appreciation certificate	University
22/08/2019	Anugerah Pelaksanaan Blended Learning Cemerlang Fakulti Kejuruteraan Awam	Faculty of Civil Engineering	RM250 & Appreciation certificate	University
03/01/2019	Appreciation Cert for Supervisor-Potential Industry Research Award (GEOTREN)	Faculty of Civil Engineering	Appreciation certificate	University
03/12/2018	Best Paper Award-The 2nd International Symposium on Civil Environmental Engineering (ISCEE18)	The 2nd International Symposium on Civil Environmental Engineering (ISCEE18)	Appreciation certificate	International
04/07/2018	Appreciation Cert for Supervisor-The best presenter Final Year Project	Faculty of Civil Engineering	Appreciation certificate	University
04/07/2018	Appreciation Cert for Supervisor-The best Research Final Year Project	FKA, UiTM	Appreciation certificate	University
06/04/2018	Best Paper Award at The International Civil and Infrastructure Engineering Conference (INCIEC2015)	Faculty of Civil Engineering, UiTM	Appreciation certificate	University
08/08/2019	Best Presenter Award in MIC3ST Conference, Melaka	UiTM Melaka	Appreciation certificate	International
09/01/2020	Appreciation Cert for Supervisor-Potential Industry Research Award Geotren- Final Year Project	FKA, UiTM	Appreciation certificate	University
11/07/2019	Dr. Ekarizan Shaffie (Supervisor) Potential Industry Research	FKA, UiTM	Appreciation certificate	University

	Award (GEOTREN)			
20/03/2018	Best Paper"second Runner Up"	10th Malaysian Road Conference & Exhibition 2018	Appreciation certificate	International

### **ACADEMIC ACCOLADES**

DATE	AWARD	INSTITUTION	TOTAL GRANT	LEVEL
01/06/2020	Penghargaan menjadi Juri Virtual Innovation Competition, VIC2020	UiTM Cawangan Kelantan	Sijil Penghargaan	International
03/03/2020	Surat Penghargaan sebagai Pencatat Minit sesi viva pelajar ijazah kedoktoran wardati Hashim	Universiti Teknologi MARA	sijil penghargaan	University
03/10/2018	Sijil Penghargaan AJK Konvensyen KIK2018 Kumpulan Inovatif dan Kreatif Peringkat Zon Tengah Universiti Teknologi Mara	INQA &FKA, UiTM	sijil	University
04/05/2019	Sijil Penyertaan & GOLD Award-Invention, Innovation and Design Exposition (IIDEX 2019)	IRMI UiTM	Sijil Penghargaan	International
08/01/2018	Sijil Penghargaan Bengkel Pemurnian Prosedur-Prosedur Kualiti FKA	Universiti Teknologi MARA	sijil	University
08/02/2017	Ucapan penghargaan Audit Coursefile bagi program Sarjana Muda dan Sarjana semester Sept 2016-Jan 2017.	FKA,UiTM	Surat penghargaan	University
08/11/2019	Penceramah Jemputan Bagi Program Kejuruteraan Awam, UNIMAP	UNIMAP	SIJIL	University
11/04/2017	Surat penghargaan Fasilitator/peserta bengkel perancangan strategic(2016-2020) dan penetapan KPI staf	Universiti Teknologi MARA	surat penghargaan	University
14/02/2018	Sijil Penyertaan & GOLD Award-International Invention, Innovation and Technology Exhibition (ITEX 2018)	IRMI UiTM	sijil penghargaan	International
15/12/2016	Sumbangan bakti Bengkel semakan kurikulum EC220 Ijazah Sarjana Muda, Fakulti Kejuruteraan Awam	FKA,UiTM	Sijil penghargaan	University

15/12/2016	Surat penghargaan sebagai AJK Open Ended Laboratory and AJK KESKA	FKA,UiTM	sijil penghargaan	University
19/01/2017	Sumbangan bakti Program Hari Perkongsian keserjanaan FKA	FKA,UiTM	surat penghargaan	University
19/02/2020	Penghargaan Menjadi JURI pertandingan International Jasin Multimedia & Computer Sciencde Invention & Innovation Exhibition, (i-JaMCSIIX 2020)	i-JaMCSIIX 2020 Society	Sijil Elektronik Penghargaan	International
20/03/2018	Sijil Penyertaan & GOLD Award-Invention, Innovation and Design Exposition(IIDEX 2018)	IRMI UiTM	sijil	International
21/09/2015	Sijil Penghargaan Parallel Session Chair -3 <sup>rd</sup> @ INCIEC2015, pada 21-22 Sep 2015	IIESM/FKA UiTM	Sijil penghargaan	International
22/11/2019	Sijil Penghargaan Menpengerusikan Sesi Teknikal di Seminar GEOMATE, Tokyo	Japep & GEOMATE Society, Tokyo	sijil	International
23/07/2019	Panel Temuduga Program Hadiah Latihan Persekutuan & Cuti Belajar Bergaji Penuh Tanpa Biasiswa sesi 2019	SPA	Sijil Penghargaan	National
24/03/2019	Ucapan penghargaan sebagai Fasilitator Program Ke Arah Kecemerlangan Akademik (KACA)	Fakulti Kejuruteraan Awam	Sijil	University
24/04/2019	Surat Penghargaan Penceramah Jemputan Bagi Program Kuliah Tamu di Fabultas TeknikUniversitas Syiah Kuala.	Universitas Syiah Kuala.Acheh, Indonesia	Sijil Penghargaan	International
25/02/2020	Surat Penghargaan sebagai Pencatat Minit sesi viva pelajar ijazah sarjana-shahirah	universiti teknologi mara	sijil penghargaan	University
25/11/2016-27/11/2016	Sijil Penghargaan menyumbang sebagai Pakaian Program Team Building ,FKA 2016	FKA, UiTM	Sijil Penghargaan	University
25/11/2016	Sijil Penghargaan menyumbang sebagai Biro Acara di Program Team Building ,FKA 2016	FKA,UiTM	sijil penghargaan	University
27/02/2020	Penghargaan menjadi Juri Projek Mini Sains dalam Program Engineering Mathematics Science and Computer, Exhibition &	Politeknik Sultan Salahuddin Abdul Aziz Shah, Shah Alam	Sijil Penghargaan	National

	Innovation 2020			
27/08/2019	Ucapan penghargaan Migrasi Massive Open Online Course (MOOC) daripada platform Open Learning ECG524	Universiti	Sijil	University
2019	Sijil Penyertaan & GOLD Award International Invention, Innovation and Technology Exhibition (ITEX 2019)	IRMI UiTM	-	Antarabangsa
2019	Surat Penghargaan sebagai Pencatat Minit sesi viva pelajar ijazah kedoktoran wardati Hashim	Pusat Pengajian Siswazah, FKA, UiTM	-	Fakulti
2019	Surat Penghargaan sebagai Pencatat Minit sesi viva pelajar ijazah sarjana syahirah	Pusat Pengajian Siswazah, FKA, UiTM	-	Fakulti
2019	Surat Penghargaan sebagai Pencatat Minit sesi viva pelajar ijazah kedoktoran Tuan Badrol	Pusat Pengajian Siswazah, FKA, UiTM	-	Fakulti
19 Januari 2017	Surat penghargaan sebagai AJK Open Ended Laboratory and AJK KESKA	FKA, UiTM	-	Universiti
25-27 November 2016	Sijil Penghargaan menyumbang sebagai AJK Induk Program Team Building, FKA 2016	FKA/Kelab Staf Kejuruteraan Awam (KeSKA), UiTM	-	Universiti
21-22 September 2015	Sijil Penghargaan Parallel Session Chair -3 <sup>rd</sup> International Civil and Infrastructure Engineering Conference	IIESM/FKA UiTM	-	Antarabangsa
7 April 2016	Sijil Penghargaan penyertaan PHD onTIME (POT)	Institute Leadership and Development (ILD), UiTM	-	Universiti
5 Disember 2016	Surat penghargaan Audit Coursefile bagi program Sarjana Muda dan Sarjana semester Mac 2016-Jul 2016	FKA, UiTM	-	Universiti
27-30 April 2015	Surat Penghargaan & Terima Kasih sempena penyertaan program "Invention, Inovation & Design Exposition 2015 (IIDEX2015)	FKA/Kelab Staf Kejuruteraan Awam (KeSKA), UiTM	-	Universiti