

CURRICULUM VITAE



PERSONAL INFORMATION

Nationality : Malaysian
Date of Birth : 31 January 1979
Place of Birth : Melaka
Marital Status : Married
Home Address : No. 33, Jalan Pulai Indah 5/13, Taman Pulai Indah
Current Position : Senior Lecturer
Office Address : Faculty of Civil Engineering, Universiti Teknologi Malaysia, 81310 UTM
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ACADEMIC BACKGROUND

2006 Ph.D in Civil Engineering (Highway Materials), Ulster University, UK.
2002 M.Sc in Highway Management and Engineering, University of Birmingham, UK
2001 B.Sc in Civil Engineering, Universiti Teknologi Malaysia, Malaysia
1997 SPM- Sekolah Seri Puteri, Kuala Lumpur. American Associate Degree in Science, Indiana

PROFESSIONAL AND ACADEMIC EXPERIENCE

Tutor 2001-2002
Universiti Teknologi Malaysia

Lecturer 2003-2008
Universiti Teknologi Malaysia

Senior Lecturer 2009-present
Universiti Teknologi Malaysia

PROFESSIONAL SOCIETIES AND ACTIVITIES

Ordinary Member
Road Engineering Association of Malaysia (O.1791) 1997 – Present

ADMINISTRATIVE POSITION

Head of Transportation Laboratory 2010 – 2012
Faculty of Civil Engineering, UTM

Program Coordinator for Msc (Civil- Highway and Transportation)

RESEARCH

1. 2013 Relationship of Tack Coat Application Factors in Assessing the Bonding Characteristics for Asphalt Paving Surfacing Layers, Fundamental (FRGS)

Vot 4F201 (RM 70,000)

Head Researcher (UTM)

2. 2013 Behavior of Cold Stone Mastic Asphalt Using Small Nominal Maximum Aggregate Size, GUP Research Grant TIER 2 06J98 (RM 34,000)

Head Researcher (UTM)

3. 2012-2013 Evaluation on the Performane of Bond Strength Between Surfacing Pavement Layers GUP Research Grant TIER 2 06J52 (RM 30,000.00)

Head Researcher (UTM)

4. 2011-2013 Effectiveness of Rumble Strips Installation on Roadway, GUP Grant TIER 1 PD/2012/14172 (RM130 000.00)

Researcher (UTM)

5. 2011-2013 Grooved Underside Concrete Blocks For Pavement, GUP Grant TIER 1 00H93 (RM 130,000)

Researcher (UTM)

4. 2007 – 2009 Impacts of Climate Change to Frictional Properties of Road Surface. Fundamental (FRGS) Vot 78242 (RM 100,000)

Head Researcher (UTM)

PUBLICATIONS

Journal Articles (50 nos)

2013

1. Haron Z., Othman M. H., Yahya K., Hainin M.R. and **Yaacob H.** The Effect of Application of Transverse Rumble Strips on Traffic Noise Levels. Research Journal of Chemistry and Environment, Vol. 17(2) February (2013), pp 13 – 18. **ISI –IF: 0.379**, Scopus Indeex

2. Azman, M., Hasanan Md Nor, Mohd Rosli Hainin, **Haryati Yaacob**, Che Ros Ismail, Nur Hafizah, A. K The Effect of Groove–Underside Shaped Concrete Block on Pavement Permanent Deformation *Jurnal Teknologi*, 61 (Science & Engineering) Special Edition (3) , April 2013: 7–14, SCOPUS

3. **Haryati Yaacob**, Mohd. Rosli Hainin and Fung-Lung Chang, Properties of Single Face Compacted Porous Asphalt, *Applied Mechanics and Materials Vols. 361-363 (2013) pp 1590-1593*. SCOPUS, EI COMPENDEX and Thomson ISTP Index

4. Mohd Khairul Idham, Mohd Rosli Hainin, **Haryati Yaacob**, M. Naquiddin M Warid, Mohd Ezree Abdullah, Effect of Aging on Resilient Modulus of Hot Mix Asphalt
24/48 CV Mohd Rosli Hainin, 10Sept13
Mixtures Advanced Materials Research Vol. 723 (2013) pp 291-297. SCOPUS, EI COMPENDEX and Thomson ISTP Index

5. Mohd Rosli Hainin, Ammar, Nur Izzi Md Yusoff, **Haryati Yaacob** and Zaiton Haron,

“Fatigue Life of Malaysian Hot Mix Asphalt Mixes”, Malaysian Journal of Civil Engineering (MJCE), Vol. 25(1), June 2013, MyAis Index

6. Rozana ZakariaAzman, Foo Kian Seng, Muhd ZaimiAbd. Majid, Rosli Mohamad Zin, Mohd Rosli Hainin, Othman Che Puan, **HaryatiYaacob**, Noriha Derin, Farinie Ainee, Norlizah Hamzah, Saied Omar Balubaid, Ain Naadia Mazlan, MohdAffendi Ismail, Yazlin ShalfizaYazid, Raja Rafidah Raja Mohd Rooshdi, FarzanehMoayed. Energy Efficiency Criteria for Green Highways in Malaysia. *Jurnal Teknologi*, (Science & Engineering) Special Issue 65:3, 2013: 91–95, SCOPUS

7. **HaryatiYaacob**, Mohd. Rosli Hainin, Md. Maniruzzaman A. Aziz, M. Naquiuddin M. Warid, Fung-Lung Chang, CheRos Ismail, Norhidayah Abdul Hassan. Bitumen Emulsion in Malaysia—A Conspectus. *Jurnal Teknologi*, (Science & Engineering) Special Issue 65:3, 2013: 97–104, SCOPUS

8. Izzul Ramli, **HaryatiYaacob**, Norhidayah Abdul Hassan, Che Ros Ismail, Mohd Rosli Hainin. Fine Aggregate Angularity Effects on Rutting Resistance of Asphalt Mixture. *Jurnal Teknologi*, (Science & Engineering) Special Issue 65:3, 2013: 105–109, SCOPUS

9. Mohd. Rosli Hainin, Norliza Mohd Akhir, Ramadhansyah Putra Jaya, NurIzzi Md. Yusoff, **HaryatiYaacob**, CheRos Ismail, Norhidayah Abdul Hassan. Aggregate Degradation Characteristics of Stone Mastic Asphalt Mixtures. *Jurnal Teknologi*, (Science & Engineering) Special Issue 65:3, 2013: 111–114, SCOPUS

10. Norhidayah Abdul Hassan, Mohd Rosli Hainin, **HaryatiYaacob**, Che Ros Ismail, NurZurairahetty MohdYunus. Evaluation on Mix Design and Rutting Resistance of Dry Mixed Rubberised Asphalt Mixtures. *Jurnal Teknologi*, (Science & Engineering) Special Issue 65:3, 2013: 115–120, SCOPUS

2012

1. Suleiman Arafat Yero, Mohd Rosli Hainin and **Haryati Yaacob**, “Determination of Surface Roughness Index of Various Bituminous Pavement”, International Journal of Research and Reviews in Applied Science IJRRAS 13(1), Nov 2012, pp 98 – 103, Google Scholar Index

2. Suleiman Arafat Yero, Mohd Rosli Hainin and **Haryati Yaacob**, “The Correlation Between Texture Depth, Pendulum Test Value and Roughness Index of Various Asphalt Surfaces in Malaysia”, International Journal of Research and Reviews in Applied Science IJRRAS 13(1), Nov 2012, pp 104 – 109, Google Scholar Index

3. Mohd Hanifi Othman, Zaiton Haron, Mohd Badruddin Mohd Yusof, Mohd Rosli Hainin, Khairulzan Yahya, **Haryati Yaacob**, Shamila Azman, “Evaluation of External Noise Produced by Transverse Rumble Strips on on Rural Roadways”, Advanced Materials Research Vols. 446-449 (2012) pp 2617-2623, SCOPUS, EI COMPENDEX and Thomson ISTEP Index

4. Azman Mohamed, Hasanan Md Nor, Mohd Rosli Hainin, **Haryati Yaacob**, Che Ros Ismail and Nur Hafizah Abd Khalid. Laboratory Testing on Permanent Deformation of Grooved Concrete Block Pavement. International of Civil Engineering and Geo Environmental. Vol 3 (2012). Pp 35 -40

2010 and below

1. Haryati Yaacob, **Mohd Rosli Hainin**, David Woodward, Alan Woodside, “Surface Dressing

Skidding Performance as Related to Time and Chipping Size”, Malaysian Journal of Civil Engineering (MJCE), Vol. 20(1), 2008, MyAis Index

Conference / Seminar Proceedings

1. M. Naquiuddin M. Warid, Mohd Rosli Hainin, **Haryati Yaacob**, Md. Maniruzzaman B. A. Aziz and Mohd Khairul Idham, “Thin Cold Mix Asphalt Overlay”, 1st International Conference on the Science & Engineering of Materials, 13-14 Nov 2013, Kuala Lumpur
2. Zulfiqar Ali, Mohd Rosli Hainin, Md. Maniruzzaman B.A. Aziz, **Haryati Yaacob**, Fung-Lung Chang and Abbas Mukhtar Adnan, “Utilization of Steel Slag for the Construction of Roads in Pvement Layers-A Review”, 1st International Conference on the Science & Engineering of Materials, 13-14 Nov 2013, Kuala Lumpur
3. Shahab Moeini Feizabadi, Mohd Rosli Hainin, Md. Maniruzzaman B. A. Aziz, **Haryati Yaacob**, M. Naquiuddin M. Warid and Manouchehr Shokri, “A Review: Merits of Warm Mix Asphalt Technology Using Sasobit and Aspha Min Additives”, 1st International Conference on the Science & Engineering of Materials, 13-14 Nov 2013, Kuala Lumpur
4. Ebenezer Akin Oluwasola, Mohd Rosli Hainin, Md. Maniruzzaman B.A. Aziz, **Haryati Yaacob** and Fung – Lung Chang, “Potential of Steel Slag and Copper Mine Tailings as Construction Materials: A Review”, 1st International Conference on the Science & Engineering of Materials, 13-14 Nov 2013, Kuala Lumpur
5. Fung-Lung Chang, **Haryati Yaacob** and Mohd. Rosli Hainin, “Marshall Properties of Single Face Compacted Asphalt Specimen”, 1st International Conference on the Science & Engineering of Materials, 13-14 Nov 2013, Kuala Lumpur
6. **Haryati Yaacob**, Mohd Rosli Hainin, Ahmad Safuan A. Rashid and Fung-Lung Chang, “Quantifying Pavement Interface Bond Strength Through Different Approaches – A Compilation of Testing Device “, Proceeding of GEOCON 2013, A Joint Conference of International Conference in Geotechnical and Transportation Engineering (9th GEOTROPIKA) And International Conference of Innovative Construction And Buildings (1st ICONBUILD), Persada, Johor Bahru, 28-30 Oct 2013
7. Mohd Rosli Hainin, Muhd Zaimi Abd Majid, Rosli Mohamed Zin, **Haryati Yaacob**, Rozana Zakaria, Mastura Bujang and Wan Nur Aifa, “Pavement Technology Elements in Green Highway “, Proceeding of GEOCON 2013, A Joint Conference of International Conference in Geotechnical and Transportation Engineering (9th GEOTROPIKA) And International Conference of Innovative Construction And Buildings (1st ICONBUILD), Persada, Johor Bahru, 28-30 Oct 2013
8. Nazaruddin Jamion, Mohd Rosli Hainin and **Haryati Yaacob**, “Performance of Microsurfacing on Expressway “, Proceeding of GEOCON 2013, A Joint Conference of International Conference in Geotechnical and Transportation Engineering (9th GEOTROPIKA) And International Conference of Innovative Construction And Buildings (1st ICONBUILD), Persada, Johor Bahru, 28-30 Oct 2013
9. Mohd Rosli Hainin, M. Yadollahi, M. Z. A. Majid, R.M. Zin, **H. Yaacob**, R. Zakaria, M. Bujang and W.N. Aifa, “Elements of Material and Pavement Technology in Green Highway Rating System-A Review“, Proceeding of GEOCON 2013, A Joint Conference of International Conference in Geotechnical and Transportation Engineering (9th GEOTROPIKA) And International Conference of Innovative Construction And Buildings (1st

ICONBUILD), Persada, Johor Bahru, 28-30 Oct 2013

10. **H.Yaacob**, M.Z. Abd. Majid, *M. R. Hainin*, R. Mohamad Zin, R. Zakaria, K Yahya, Z Haron and H Kamarul Bahrin, “Potential Adoption of Rubberised Asphalt Concrete (RAC) in Malaysia towards Green Road Construction”, APSEC – ICCER, 2 – 4 October 2013, Surabaya, Indonesia
11. Azman Mohamed, Hasanan Md Nor, Mohd Rosli Hainin, **Haryati Yaacob** and Che Ros Ismail, “The Effect of Underside Shaped Concrete Block on Pavement Rut Performance”, APSEC – ICCER, 2 – 4 October 2013, Surabaya, Indonesia
12. Azman Mohamed, Hasanan Md Nor, Mohd Rosli Hainin, **Haryati Yaacob** and Che Ros Ismail, “Laboratory Testing on Permanent Deformation of Grooved Concrete Block Pavement”, National Conference of Post Graduate NCON.PGR 2012, Universiti Malaysia Pahang, 8 - 9 September 2012
13. Azman Mohamed, Shakira Abdul Aziz, Hasanan Md. Nor, Mohd Rosli Hainin, **Haryati Yaacob** and Che Ros Ismail, “The Effect of Laying Patterns on Underside Shaped Concrete Block Pavement Horizontal Resistance” SEPKA 2011, 13-15 September 2011
14. Azman Mohamed, Hasanan Md. Nor, Mohd Rosli Hainin, **Haryati Yaacob**, Che Ros Ismail and Nooraini Ahmad “Interaction Between The Underside Shaped Concrete Block And Bedding Sand” SEPKA 2011, 13-15 September 2011
15. Arafat Suleiman Yero, Mohd Rosli Hainin and Haryati Yaacob, “Assessment of Roughness Index of Bituminous Pavement”, Proceedings of International Conference for Geotechnics and Transportation GEOTROPIKA 2010, 1-3 Dec. 2010
16. Mohd Amin Shafii, **Haryati Yaacob** and Mohd Rosli Hainin, “Skid Resistance and The Effect of Temperature”, Proceedings of International Conference for Geotechnics and Transportation GEOTROPIKA 2010, 1-3 Dec. 2010
17. Mohd Khairl Idham Mohd Satar, Mohd Rosli Hainin, **Haryati Yaacob**, Dorina Anak Astana, “Development of Software for Rigis Pavement Thickness Design”, Proceedings of International Conference for Geotechnics and Transportation GEOTROPIKA 2010, 1-3 Dec. 2010
18. Nazaruddin Jamion, Mohd Rosli Hainin and **Haryati Yaacob** “Performance and Challenges of Microsurfacing in Malaysia” Proceedings of the 8th Malaysia Road Conference”, Kuala Lumpur, 10 October 2010
19. **Haryati Yaacob**, Mohd Rosli Hainin and Sudesh Nair A/L Baskara, “Effects of Rainfall on Skidding Resistance of Asphaltic Concrete Pavement”, Proceedings of the 8th Malaysia Road Conference”, Kuala Lumpur, 10 October 2010
20. Arafat Suleiman Yero, Mohd Rosli Hainin, Abdul Aziz Chik and **Haryati Yaacob**, “Warm Mix Asphalt – The Green Technology in Pavement Industry”, International Conference on Built Environment in Developing Countries, USM, 2-3 Dec. 2009
21. Arafat Suleiman Yero, Mohd Rosli Hainin and **Haryati Yaacob**, “Determination of Surface Roughness of Various Bituminous Surface in Malaysia”, Regional Conference on Environment and Earth Resource (RCER 09), UMP, Kuantan, 7-8 Dec. 2009
22. Arafat Suleiman Yero, Mohd Rosli Hainin, Abdul Aziz Chik and **Haryati Yaacob**, “Characteristics of Bitumen with Long Chain Aliphatic HC in Warm Mix Asphalt”,

International Conference on Building Science and Engineering, UTHM, Johor Bahru, 14-15 Dec. 2009

23. Arafat Suleiman Yero, Mohd Rosli Hainin and **Haryati Yaacob**, “Correlation Between Skidding Resistance and Texture Depth of Bituminous Road Surfaces”, National Graduate Conference on Engineering and Science, Universiti Teknologi Petronas, 25-26 March 2009
24. Arafat Suleiman Yero, Mohd Rosli Hainin and **Haryati Yaacob**, “Determination of the Texture Depth, Skidding Resistance and International Roughness Index of Various Bituminous Road Surfaces”, International Graduate Conference on Engineering and Science, UTM, 23-24 December 2008
25. **Haryati Yaacob** and Mohd Rosli Hainin, “Laboratory Investigation on Surface Dressing Embedment”, International Seminar in Civil Engineering (ISCIE), UiTM, 11-12 June 2008
26. **Haryati Yaacob**, Mohd Rosli Hainin, David Woodward, Alan Woodside and Paul McErlean, “Investigation on Tyre/Road Noise Using Ulster Load Tyre Road Assilimilator”, International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 08), 26-27 May 2008
27. Norhidayah Abdul Hasan, Mohd Rosli Hainin, **Haryati Yaacob**, Fahmi and Nordiana Mashros, “Performance of Hot Mix Asphalt Using Fine Crumb Rubber”, International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 08), 26-27 May 2008
28. Mohd Rosli Hainin, **Haryati Yaacob** and Wardati Hashim, “The Environmental Effect of Cooling Rate on Hot Mix Asphalt Mixtures”, International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 08), 26-27 May 2008

Book Monographs and Chapters

Hasanan Mohd Nor, Mohd Rosli Hainin, and Haryati Yaacob, "Highway Materials and Construction", Book Chapter Editors, Universiti Teknologi Malaysia, ISBN: 978-983-52-0574-3 , 2008

Haryati Yaacob, *Mohd Rosli Hainin*, David Woodward, Alan Woodside and Paul McErlean, “Investigation on Tyre/Road Noise Using Ulster Load Tyre Road Assilimilator”, Book Chapter, ISBN: 978-983-52-0574-3 , 2008

Norhidayah Abdul Hasan, *Mohd Rosli Hainin*, Haryati Yaacob, Fahmi and Nordiana Mashros, “Performance of Hot Mix Asphalt Using Fine Crumb Rubber”, Book Chapter, ISBN: 978-983-52-0574-3 , 2008

Technical Reports (17 nos)

1. Haryati Yaacob and Mohd Rosli Hainin, Impacts of Climate Change to Frictional Properties of Road Surface. Fundamental (FRGS) Vot 78242 Research Management Centre, UTM, 2013