

PUBLICATIONS

JOURNAL - **H INDEX** :24 with 2003 citations (*Google Scholar*), 19 with 1239 citations (*SCOPUS*), 14 with 676 citations (*WOS*) (update 17 July 2019)

[ISI-WOS Journal](#)

1. Momade, M. H., & **Hainin, M. R.** (2019). Identifying Motivational and Demotivational Productivity Factors in Qatar Construction Projects. *Engineering, Technology & Applied Science Research*, 9(2), 3945-3948.
2. Yaacob, H., Chang, F. L., Jaya, R. P., **Hainin, M. R.**, Rashid, A. S. A., & Hassan, N. A. (2018). Assessing the Bond Strength of Hot Mix Asphalt Pavement for Wearing and Binder Courses. *International Journal of Technology*, 9(5), 925-935, ISSN 2086-9614, WOS
3. Oluwasola, E. A., **Hainin, M. R.**, Idham, M. K., & Abayomi, M. (2018, July). Workability and rheological properties of eva-modified bitumen compared with PG 76 binder. *Jurnal Teknologi*, 80 (4), 117-124, ISSN: 2180-3722, WOS
4. Mughal, M. A., **Hainin, M. R.**, Jaya, R. P., Yunus, M. F., Rahman, M. D., Idham, M. K., & Warid, M. N. M. (2018). Stabilizing Asphalt Concrete Using Kenaf Fibers. *Advanced Science Letters*, 24(6), 3963-3967, ISSN: 1936-6612, IF: 1.253, WOS-Q2
5. Bujang, M., **Hainin, M. R.**, Majid, M. Z. A., Satar, M. K. I. M., & Azahar, W. N. A. W. (2018). Assessment framework for pavement material and technology elements in green highway index. *Journal of Cleaner Production*, 174, 1240-1246, ISSN: 0959-6526, IF: 5.715, WOS-Q1.
6. Othman, Z., **Hainin, M. R.**, Warid, M. N. M., Idham, M. K., & Kamarudin, S. N. N. (2018). Cup lump modified asphalt mixture along jalan Kuala Lumpur-Kuantan, daerah Temerloh, Pahang. In *MATEC Web of Conferences* (Vol. 250, p. 02007). EDP Sciences.
7. Rasman, M., Hassan, N. A., **Hainin, M. R.**, Jaya, R. P., Haryati, Y., Shukry, N. A. M., ... & Kamaruddin, N. H. M. (2018). Engineering properties of bitumen modified with bio-oil. In *MATEC Web of Conferences* (Vol. 250, p. 02003). EDP Sciences.
8. Abdullah, M. E., Ramadhansyah, P. J., Rafsanjani, M. H., Norhidayah, A. H., Yaacob, H., **Hainin, M. R.**, ... & Mashros, N. (2018, April). Effects of Kaolin Clay on the Mechanical Properties of Asphaltic Concrete AC14. In *IOP Conference Series: Earth and Environmental Science* (Vol. 140, No. 1, p. 012121). IOP Publishing.
9. **Hainin, M. R.**, Idham, M. K., Yaro, N. S. A., Hussein, S. O. A. E., Warid, M. N. M., Mohamed, A., Naqibah, S. N. & Ramadhansyah, P. J. (2018, April). Performance of Hot Mix Asphalt Mixture Incorporating Kenaf Fibre. In *IOP Conference Series: Earth and Environmental Science* (Vol. 140, No. 1, p. 012092). IOP Publishing.

10. Ting, T. L., Ramadhansyah, P. J., Norhidayah, A. H., Yaacob, H., **Hainin, M. R.**, Ibrahim, M. W., ... & Abdullahi, A. M. (2018, April). Effect of Treated Coconut Shell and Fiber on the Resilient Modulus of Double-layer Porous Asphalt at Different Aging. In IOP Conference Series: Earth and Environmental Science (Vol. 140, No. 1, p. 012065). IOP Publishing.
11. Zulkefli, R. R., Yaacob, H., Jaya, R. P., Warid, M. N. M., Hassan, N., **Hainin, M. R.**, & Idham, M. K. (2018, April). Effect of different sizes of palm oil fuel ash (POFA) towards physical properties of modified bitumen. In IOP Conference Series: Earth and Environmental Science (Vol. 140, No. 1, p. 012108). IOP Publishing.
12. Shukry, N. A. M., Hassan, N. A., Abdullah, M. E., **Hainin, M. R.**, Yusoff, N. I. M., Jaya, R. P., & Mohamed, A. (2018, April). Effect of various filler types on the properties of porous asphalt mixture. In IOP Conference Series: Materials Science and Engineering (Vol. 342, No. 1, p. 012036).
13. Jaya, R. P., **Hainin, M. R.**, Hassan, N. A., Yaacob, H., Satar, M. K. I. M., Warid, M. N. M., Mohamed, A., Abdullah, M. E., & Ramli, N. I. (2018). Marshall stability properties of asphalt mixture incorporating black rice husk ash. *Materials Today: Proceedings*, 5(10), 22056-22062, ISSN: 2214-7853, WOS
14. Jaya, R. P., **Hainin, M. R.**, Ibrahim, M. H. W., Nazri, F. M., Arshad, M. F., & Muthusamy, K. (2018). Physical and Chemical Properties of Rice Husk Ash Concrete Under Seawater. *International Journal of Integrated Engineering*, 10(4), ISSN, 2229-838X, WOS
15. Jaya, R. P., Wan, C. N. C., **Hainin, M. R.**, Warid, M. N. M., Ibrahim, M. H. W., Nazri, F. M., & Arshad, M. F. (2018). Strength Properties of Rice Husk Ash Concrete Under Sodium Sulphate Attack. *International Journal of Integrated Engineering*, 10(4), ISSN, 2229-838X, WOS
16. Mahmud, M. Z. H., Hassan, N. A., **Hainin, M. R.**, & Ismail, C. R. (2017). Microstructural investigation on air void properties of porous asphalt using virtual cut section. *Construction and Building Materials*, 155, 485-494, IF: 3.169, WOS-Q1.
17. Rahman, M. T., **Hainin, M. R.**, & Bakar, W. A. W. A. (2017). Use of waste cooking oil, tire rubber powder and palm oil fuel ash in partial replacement of bitumen. *Construction and Building Materials*, 150, 95-104, ISSN: 0950-0618, IF: 3.169, WOS-Q1
18. Azahar, W. N. A. W., Jaya, R. P., **Hainin, M. R.**, Bujang, M., & Ngadi, N. (2017). Mechanical performance of asphaltic concrete incorporating untreated and treated waste cooking oil. *Construction and Building Materials*, 150, 653-663, ISSN: 0950-0618, IF: 3.169, WOS-Q1
19. Rahman, F. A., Aziz, M. M. A., Saidur, R., Bakar, W. A. W. A., **Hainin, M. R.**, Putrajaya, R., & Hassan, N. A. (2017). Pollution to solution: Capture and sequestration of carbon dioxide (CO₂) and its utilization as a renewable energy source for a sustainable future. *Renewable and Sustainable Energy Reviews*, 71, 112-126, ISSN: 1364-0321, IF: 8.05, WOS-Q1
20. Farouk, A. I. B., Hassan, N. A., Mahmud, M. Z. H., Mirza, J., Jaya, R. P., **Hainin, M. R.**, Yaacob, H., & Yusoff, N. I. M. (2017). Effects of mixture design variables on rubber-bitumen interaction:

- properties of dry mixed rubberized asphalt mixture. *Materials and Structures*, 50(1), 12, pp 1-10 , ISSN: 1359-5997, IF:2.607, WOS-Q1
21. Kader, S. A. A., Jaya, R. P., Yaacob, H., Hainin, M. R., Hassan, N. A., Ibrahim, M. H. W., & Mohamed, A. A. (2017). *Stability and Volumetric Properties of Asphalt Mixture Containing Waste Plastic*. In *MATEC Web of Conferences (Vol. 103, p. 09002)*. EDP Sciences.
 22. Haron, Z., Othman, M. H., Hee, L. M., Yahya, K., **Hainin, M. R.**, Darus, N., & Leong, M. S. (2017). *Exterior Noise Due to Interaction of Tyre-Thermoplastic Transverse Rumble Strips*. *Archives of Acoustics*, 42(3), 449-457, ISSN: 0137-5075, IF: 0.816, WOS-Q3.
 23. Chang, F. L., Yaacob, H., **Hainin, M. R.**, & Rashid, A. S. A. (2017, August). *Development of Asphalt Pull out Tester for Investigation of Tack Coat Adhesiveness*. In *IOP Conference Series: Materials Science and Engineering (Vol. 226, No. 1, p. 012032)*. IOP Publishing.
 24. Hassan, N. A., Kamaruddin, N. H. M., **Hainin, M. R.**, & Abdullah, M. E. (2017, August). *Effect of Warm Asphalt Additive on the Creep and Recovery Behaviour of Aged Binder Containing Waste Engine Oil*. In *IOP Conference Series: Materials Science and Engineering (Vol. 226, No. 1, p. 012066)*. IOP Publishing.
 25. Yusak, M. I. M., Abdullah, M. E., Jaya, R. P., **Hainin, M. R.**, & Ibrahim, M. H. W. (2017, August). *Effect of Nano Silica on the Physical Property of Porous Concrete Pavement*. In *IOP Conference Series: Materials Science and Engineering (Vol. 226, No. 1, p. 012043)*. IOP Publishing.
 26. Yacoob, H., Jaya, R. P., Madzaili, A. H., Hassan, N. A., **Hainin, M. R.**, & Nazri, F. M. (2017). *Stability properties of asphalt mixture incorporating coconut shell*. *Journal of Fundamental and Applied Sciences*, 9(6S), 16-24.
 27. Haron, Z., Othman, M. H., Hee, L. M., Yahya, K., **Hainin, M. R.**, Darus, N., & Leong, M. S. (2017). *Exterior Noise Due to Interaction of Tyre-Thermoplastic Transverse Rumble Strips*. *Archives of Acoustics*, 42(3), 449-457.
 28. Abdullah, M. E., Ahmad, N. A., Jaya, R. P., Hassan, N. A., Yaacob, H., & **Hainin, M. R.** (2017, May). *Effects of Waste Plastic on the Physical and Rheological Properties of Bitumen*. In *IOP Conference Series: Materials Science and Engineering (Vol. 204, No. 1, p. 012016)*. IOP Publishing.
 29. Oluwasola, E. A., & **Hainin, M. R.** (2016). *Evaluation of Performance Characteristics of Stone Mastic Asphalt Incorporating Industrial Waste*. *Journal of Materials in Civil Engineering*, 28(12), ISSN: 0899-1561, IF: 1.644, WOS-Q3
 30. Azahar, W. N. A. W., Jaya, R. P., **Hainin, M. R.**, Bujang, M., & Ngadi, N. (2016). *Chemical modification of waste cooking oil to improve the physical and rheological properties of asphalt binder*. *Construction and Building Materials*, 126, 218-226, ISSN: 0950-0618, IF: 3.169, WOS-Q1

31. **Hainin, M. R., Oluwasola, E. A., & Brown, E. R. (2016).** *Density profile of hot mix asphalt layer during compaction with various types of rollers and lift thickness. Construction and Building Materials, 121, 265-277, ISSN: 0950-0618, IF: 3.169, WOS-Q1.*
32. **Abdullah, M. E., Hainin, M. R., Yusoff, N. I. M., Zamhari, K. A., & Hassan, N. (2016).** *Laboratory evaluation on the characteristics and pollutant emissions of nanoclay and chemical warm mix asphalt modified binders. Construction and Building Materials, 113, 488-497, ISSN: 0950-0618, IF: 3.169, WOS-Q1*
33. **Jayanti, D. S., Mirza, J., Jaya, R. P., Bakar, B. H. A., Hassan, N. A., & Hainin, M. R. (2016, April).** *Chloride penetration of RHA concrete under marine environment. In Proceedings of the Institution of Civil Engineers-Maritime Engineering (Vol. 169, No. 2, pp. 76-85). Thomas Telford Ltd, ISSN: 1741-7597, IF: 0.286, WOS-Q4.*
34. **Abdullah, M. E., Zamhari, K. A., Hainin, M. R., Oluwasola, E. A., Hassan, N. A., & Yusoff, N. I. M. (2016).** *Engineering properties of asphalt binders containing nanoclay and chemical warm-mix asphalt additives. Construction and Building Materials, 112, 232-240, ISSN: 0950-0618, IF: 3.169, WOS-Q1*
35. **Oluwasola, E. A., Hainin, M. R., & Aziz, M. M. A. (2016).** *Comparative evaluation of dense-graded and gap-graded asphalt mix incorporating electric arc furnace steel slag and copper mine tailings. Journal of Cleaner Production, 122, 315-325, ISSN: 0959-6526, IF: 5.715, WOS-Q1*
36. **Abdullah, M. E., Zamhari, K. A., Hainin, M. R., Oluwasola, E. A., Yusoff, N. I. M., & Hassan, N. A. (2016).** *High temperature characteristics of warm mix asphalt mixtures with nanoclay and chemical warm mix asphalt modified binders. Journal of Cleaner Production, 122, 326-334, ISSN: 0959-6526, IF: 5.715, WOS-Q1*
37. **Ariffin, A. H., Solah, M. S., Hamzah, A., Isa, M. H. M., Jawi, Z. M., Yusoff, N. I. M., & Hainin, M. R. (2016).** *Exploratory study on airbag suitability for low engine capacity motorcycles. Jurnal Teknologi, 78(4), 65-69, ISSN: 2180-3722, WOS*
38. **Mohamed, A., Khalid, N. H. A., Nor, H. M., Hainin, M. R., Jaya, R. P., Sam, A. R. M., & Ismail, C. R. (2016).** *Determination Of Groove And Mechanical Properties Of Underside Shaped Concrete Paver. traffic, 3, 4, ISSN: 2180-3722, WOS*
39. **Hashim, W., Hainin, M. R., Ismail, N. N., Yusoff, N. I. M., Abdullah, M. E., & Hassan, N. A. (2016).** *Evaluating the cooling rate of hot mix asphalt in tropical climate. Jurnal Teknologi, 78(4), 97-104, ISSN: 2180-3722, WOS.*

40. Azahar, W. N. A. W., Bujang, M., Jaya, R. P., **Hainin, M. R.**, Ngadi, N., Abdullah, M. E., & Mohamed, A. A. (2016). A review on application of waste cooking oil as rejuvenator in porous asphalt mixture. *Jurnal Teknologi*, 78(4), 105-109, ISSN: 2180-3722, WOS
41. Azahar, W. N. A. W., Bujang, M., Jaya, R. P., **Hainin, M. R.**, Mohamed, A., Ngadi, N., & Jayanti, D. S. (2016). The potential of waste cooking oil as bio-asphalt for alternative binder—an overview. *Jurnal Teknologi*, 78(4), 111-116, ISSN: 2180-3722, WOS
42. Babashamsi, P., Yusoff, N., & **Hainin, M. R.** (2016). The effect of preservation maintenance activities in asphalt concrete pavement sustainability. *Jurnal Teknologi*, 78(4), 117-124, ISSN: 2180-3722, WOS
43. Oluwasola, E. A., **Hainin, M. R.**, Aziz, M. M. A., & Warid, M. N. M. (2016). Volumetric Properties and Leaching Effect of Asphalt Mixes with Electric Arc Furnace Steel Slag and Copper Mine Tailings. *Sains Malaysiana*, 45(2), 279-287, ISSN: 0126-6039, IF: 0.47, WOS-Q3
44. Oluwasolaa, E. A., **Hainin, M. R.**, Azizb, M. M. A., & Yeroc, S. A. (2016). Effect Of Moisture Damage On Gap-Graded Asphalt Mixture Incorporating Electric Arc Furnace Steel Slag And Copper Mine Tailings. *Jurnal Teknologi*, 78(7-3), 1-9, ISSN: 2180-3722, WOS
45. Mustafa, K. H., Aziz, M. M. A., **Hainin, M. R.**, A. A. Z., & Warid, M. N. M. (2016). A Review on Crack Relief Layer (crl) in Roads and Highways. *Jurnal Teknologi*, 78(7-3), 45-52, ISSN: 2180-3722, WOS
46. Baskara, S. N., Yaacob, H., **Hainin, M. R.**, & Hassan, S. A. (2016). Accident Due To Pavement Condition—A. *Jurnal Teknologi*, 78(7-2), 75-82, ISSN: 2180-3722, WOS
47. Abdullah, N. M., Hassan, N. A., Shukry, N. M., Mahmud, M. Z. H., Jaya, R. P., **Hainin, M. R.**, & Yusoff, N. I. M. (2016). Evaluating potential of diatomite as anti clogging agent for porous asphalt mixture. *Jurnal Teknologi*, 78(7-2), 105-111, ISSN: 2180-3722, WOS
48. Shukry, N. A. M., Hassan, N. A., **Hainin, M. R.**, Abdullah, M. E., Abdullah, N.A.M., Mahmud, M. Z. H., Putrajaya, R., & Mashros, N. (2016). Experimental Evaluation Of Anti-Stripping Additives On Porous Asphalt Mixtures. *Jurnal Teknologi*, 78(7-2), 113-119, ISSN: 2180-3722 WOS
49. Yaacob, H., Ali Mughal, M., Jaya, R. P., **Hainin, M. R.**, Jayanti, D. S., & Che Wan, C. N. (2016). Rheological properties of styrene butadiene rubber modified bitumen binder. *J. Teknologi*, 78, 121-126, ISSN: 2180-3722 WOS
50. Norhafizah, M., Ramadhansyah, P. J., Amiera, S. N. J., Aqeela, N. M., Norhidayah, A. H., **Hainin, M. R.**, & Norazman, C. C. (2016). The effect of coconut shell on engineering properties of porous asphalt mixture. *Jurnal Teknologi*, 78(7-2), 127-132, ISSN: 2180-3722 WOS

51. Othman, M. H., Haron, Z., Hee, L. M., Yahya, K., **Hainin, M. R.**, & Leong, M. S. (2015). *Transverse rumble strips thickness design for road users' comfort. International Journal Of Advanced And Applied Sciences*, 2(12), 40-45.
52. Oluwasola, E. A., **Hainin, M. R.**, & Aziz, M. M. A. (2015). *Evaluation of rutting potential and skid resistance of hot mix asphalt incorporating electric arc furnace steel slag and copper mine tailing. Indian Journal Of Engineering And Materials Sciences*, 22(5), 550-558, ISSN: 0971-4588, IF: 0.485, WOS-Q4
53. Aziz, M. M. A., Rahman, M. T., **Hainin, M. R.**, & Bakar, W. A. W. A. (2015). *An overview on alternative binders for flexible pavement. Construction and Building Materials*, 84, 315-319, ISSN: 0950-0618, IF: 3.169, WOS-Q1
54. Hassan, N. A., Airey, G. D., Yusoff, N. I. M., **Hainin, M. R.**, Putrajaya, R., Abdullah, M. E., & Aziz, M. M. A. (2015). *Microstructural characterisation of dry mixed rubberised asphalt mixtures. Construction and Building Materials*, 82, 173-183. ISSN: 0950-0618, IF: 3.169, WOS-Q1.
55. Yaacob, H., Chang, F. L., **Hainin, M. R.**, & Jaya, R. P. (2015). *Curing of asphalt emulsified tack coat subjected to Malaysian weather conditions. Journal of Materials in Civil Engineering*, 27(4), 04014147. ISSN: 0899-1561, IF: 1.644, WOS-Q2
56. Oluwasola, E. A., **Hainin, M. R.**, & Aziz, M. M. A. (2015). *Evaluation of asphalt mixtures incorporating electric arc furnace steel slag and copper mine tailings for road construction. Transportation Geotechnics*, 2, 47-55, ISSN 2214-3912, WOS
57. Warid, M. N. M., **Hainin, M. R.**, Haryati Yaacob, M., Aziz, M. A., Idham, M. K., Abdul, N. A., & Raman, R. M. (2015). *Effect Of Styrene-Butadiene On Rheological Properties Of Asphalt Emulsion. Jurnal Teknologi*, 77(23), 1-5, ISSN: 2180-3722, WOS
58. Idham, M. K., **Hainin, M. R.**, Warid, M. N. M., Raman, N. A. A., & Mamat, R. (2015). *Evaluation on the performance of aged asphalt binder and mixture under various aging methods. Jurnal Teknologi*, 77(23), 7-12, ISSN: 2180-3722, WOS
59. Raman, N. A. A., **Hainin, M. R.**, Hassan, N. A., Ani, F. N., Warid, M. N. M., Idham, M. K. & Mamat, R. (2015). *Effect Of Bio-Oil From Empty Fruit Bunch On Penetration Index Of Asphalt Binder. Jurnal Teknologi*, 77(23), 13-17, ISSN: 2180-3722, WOS
60. Mamat, R., **Hainin, M. R.**, Hassan, N. A., Rahman, N. A. A., Warid, M. N. M., & Khairul, M. (2015). *A Review Of Performance Asphalt Mixtures Using Bio-Binder As Alternative Binder. Jurnal Teknologi*, 77(23), 17-20, ISSN: 2180-3722, WOS
61. Balubaid, S., Bujang, M., Aifa, W. N., Seng, F. K., Rooshdi, R. R. R. M., Hamzah, N., Yazid, Y. S. M., Abd Majid, M. Z., Zin, R. M., Zakaria, R., **Hainin, M. R.**, Yaacob, H., & Ismail, H. H (2015).

- Assessment index tool for green highway in Malaysia. Jurnal Teknologi, 77(16), 99-104, ISSN: 2180-3722 WOS*
62. Idham, M. K., & **Hainin, M. R.** (2015). The effect of incorporating reclaimed asphalt pavement on the performance of hot mix asphalt mixtures. *Jurnal Teknologi, 77(32), 99-104, ISSN: 2180-3722 WOS*
 63. Wahab, M. S. A., Ramli, I., Hassan, S. A., **Hainin, M. R.**, Minhans, A., & Bahru, U. J. (2015). Demand Analysis Of Parking At Machap Northbound Rest And Service Area. *Jurnal Teknologi, 76(14), ISSN: 2180-3722 WOS*
 64. Azahar, W. N. A. W., Bujang, M., Putra Jaya, R., **Hainin, M. R.**, Aziz, M. M. A., & Ngadi, N. (2015). Application of nanotechnology in asphalt binder: A conspectus and overview. *Jurnal Teknologi, 76(14), ISSN: 2180-3722 WOS*
 65. Hassan, N. A., Abdullah, N. A. M., Shukry, N. A. M., Mahmud, M. Z. H., Yunus, N. Z. M., Putrajaya, R., **Hainin, M. R.**, & Yaacob, H. (2015). Laboratory evaluation on the effect of clogging on permeability of porous asphalt mixtures. *Jurnal Teknologi, 76(14), 77-84, ISSN: 2180-3722 WOS*
 66. Mosa, A. M., Ismail, N. N., Yusoff, N. I. M., Mubarak, M. A., Memon, N. A., Taha, M. R., & **Hainin, M. R.** (2015). An expert system to remedy concrete imperfections and their effects on rigid pavements. *Jurnal Teknologi, 76(14), 105-119.*
 67. Puan, O. C., Ismail, C. R., **Hainin, M. R.**, Minhans, A., & Nor, N. S. M. (2015). Midblock U–Turn Facilities On Multilane Divided Highways: An Assessment Of Driver’s Merging Gap And Stop Delays. *Jurnal Teknologi, 76(14), ISSN: 2180-3722 WOS*
 68. Yusak, M. I. M., Jaya, R. P., **Hainin, M. R.**, Ismail, C. R., & Ibrahim, M. H. W. (2015). Strength Of Porous Concrete Pavement At Different Curing Methods. *Jurnal Teknologi, 76(14), ISSN: 2180-3722 WOS*
 69. Abdullah, M. E., Zamhari, K. A., Buhari, R., Kamaruddin, N. H. M., Nayan, N., **Hainin, M. R.**, Hassan, N. A. Jaya, R. P., & Yusoff, N. I. M. (2015). A review on the exploration of nanomaterials application in pavement engineering. *Jurnal Teknologi, 73(4), 69-76, ISSN: 2180-3722 WOS*
 70. Aifa, W. N., **Hainin, M. R.**, Majid, M. A., MohamadZin, R., Yaacob, H., Zakaria, R., & Bujang, M. (2015). Pavement Technology Elements in Green Highway. *Jurnal Teknologi (Sciences & Engineering), 73(4), 45-49. ISSN: 2180-3722 WOS*
 71. **Hainin, M. R.**, Aziz, M. M. A., Adnan, A. M., Hassan, N. A., Jaya, R. P., & Liu, H. Y. (2015). Performance of modified asphalt binder with tire rubber powder. *Jurnal Teknologi, 73(4), 55-60, ISSN: 2180-3722 WOS*

72. **Hainin, M. R.**, Aziz, M. M. A., Ali, Z., Jaya, R. P., El-Sergany, M. M., & Yaacob, H. (2015). Steel slag as a road construction material. *JurnalTeknologi*, 73(4), 33-38, ISSN: 2180-3722 WOS
73. **Hainin, M. R.**, Aziza, M. M. A., Feizabadi, S. M., Jaya, R. P., Hassan, N. A., & Jakarni, F. M. (2015). An Overall Review: Modified Asphalt Binder Containing Sasobit in Warm-Mix Asphalt Technology. *Jurnal Teknologi*, 73(4), ISSN: 2180-3722 WOS
74. Hamzah, M. O., Kakar, M. R., & **Hainin, M. R.** (2015). An overview of moisture damage in asphalt mixtures. *Jurnal Teknologi (Sciences & Engineering)*, 73(4), 125-131, ISSN: 2180-3722 WOS
75. Hamzah, M. O., Omranian, S. R., Golchin, B., & **Hainin, M. R.** (2015). Evaluation of effects of extended short-term aging on the rheological properties of asphalt binders at intermediate temperatures using respond surface method. *Jurnal Teknologi*, 73(4), 133-139, ISSN: 2180-3722 WOS
76. Othman, M. H., Haron, Z., **Hainin, M. R.**, Yahya, K., Yaacob, H., & Sanik, M. E. (2015). Malaysian Transverse Rumble Strips: A Review and Recommendations for Practice. *Jurnal Teknologi*, 73(4), 117-123, ISSN: 2180-3722 WOS
77. Rusbintardjo, G., **Hainin, M. R.**, & Yusoff, N. I. M. (2015). Improvement in properties of expansive clay by stabilizing with Buton rock asphalt. *Jurnal Teknologi*, 73(4), 105-110, ISSN: 2180-3722 WOS
78. Yero, A. S., Ahmed, T. Y., & **Hainin, M. R.** (2015). Evaluation Of Major Causes Of Road Accidents Along North-East Highway, Nigeria. *Jurnal Teknologi*, 73(4), ISSN: 2180-3722 WOS
79. Raman, N. A. A., **Hainin, M. R.**, Hassan, N. A., & Ani, F. N. (2015). A Review on the Application of Bio-oil as an Additive for Asphalt. *Jurnal Teknologi*, 72(5), ISSN: 2180-3722 WOS
80. Yaacob, H., Chang, F. L., & **Hainin, M. R.** (2014). Marshall properties of single-face-compacted asphalt specimen. *Materials Research Innovations*, 18(sup6), S6-121, ISSN: 1432-8917, IF: 0.83, WOS-Q4
81. Aziz, M. M. A., **Hainin, M. R.**, Yaacob, H., Feizabadi, S. M., Shokri, M., & Warid, M. N. M. (2014). Performance of warm-mix asphalt in the highway industry. *Materials Research Innovations*, 18(sup6), S6-245, ISSN: 1432-8917, IF: 0.83, WOS-Q4
82. Oluwasola, E. A., **Hainin, M. R.**, Aziz, M. M. A., Yaacob, H., & Warid, M. N. M. (2014). Potentials of steel slag and copper mine tailings as construction materials. *Materials Research Innovations*, 18(sup6), S6-250, ISSN: 1432-8917, IF: 0.83, WOS-Q4
83. Aziz, M. M. A., **Hainin, M. R.**, Yaacob, H., Ali, Z., Chang, F. L., & Adnan, A. M. (2014). Characterisation and utilisation of steel slag for the construction of roads and highways. *Materials Research Innovations*, 18(sup6), S6-255, ISSN: 1432-8917, IF: 0.83, WOS-Q4

84. Warid, M. N. M., **Hainin, M. R.**, Yaacob, H., Aziz, M. M. A., & Idham, M. K. (2014). Thin cold-mix stone mastic asphalt pavement overlay for roads and highways. *Materials Research Innovations*, 18(sup6), S6-303, ISSN: 1432-8917, IF: 0.83, WOS-Q4
85. Hassan, N. A., Airey, G. D., & **Hainin, M. R.** (2014). Characterisation of micro-structural damage in asphalt mixtures using image analysis. *Construction and Building Materials*, 54, 27-38, ISSN: 0950-0618, IF: 3.169, WOS-Q1
86. Hainin, M.R., Jaya, R.P., Ali Akbar, N.A., Jayanti, D.S., & Yusoff, N.I.M. (2014). Influence of palm oil fuel ash as a modifier on bitumen to improve aging resistance. *Journal of Engineering Research*, 2(1), pp. 34-46, WOS-Q4
87. Yaacob, H., **Hainin, M. R.**, Safuan, A., & Chang, F. L. (2014). Information for the Malaysian Asphalt Industry towards Better Pavement Interlayer Bonding. *Sains Malaysiana*, 43(3), 467-474. Laboratory Evaluation On The Effect Of Clogging On Permeability Of Porous Asphalt Mixtures, ISSN: 0126-6039, IF: 0.47, WOS-Q3
88. Yaacob, H., **Hainin, M. R.**, Safuan, A., & Chang, F. L. (2014). Single face compaction on laboratory Marshall specimen towards satisfactory degree of compaction and thickness. *Sains Malays*, 43(2), 295-302, ISSN: 0126-6039, IF: 0.47, WOS-Q3
89. Ahmad, J., Yusoff, N. I. M., **Hainin, M. R.**, Rahman, M. Y. A., & Hossain, M. (2014). Investigation into hot-mix asphalt moisture-induced damage under tropical climatic conditions. *Construction and Building Materials*, 50, 567-576, ISSN: 0950-0618, IF: 3.169, WOS-Q1
90. Jayanti, D. S., Putra Jaya, R., Abdul Hassan, N., Aziz, M. A., **Hainin, M. R.**, & Norazman, C. W. (2014). Performance of RHA Blended Cement Concrete under Sodium Chloride via Wetting and Drying. *Applied Mechanics & Materials*, (554).
91. Dewi, S. J., Ramadhansyah, P. J., Norhidayah, A. H., Maniruzzaman, M., Aziz, A., **Hainin, M. R.**, ... & Haziman, M. (2014). Effect of rice husk ash fineness on the properties of concrete. In *Applied Mechanics and Materials* (Vol. 554, pp. 203-207). Trans Tech Publications.
92. Ahmed, I., Abdulrahman, S., **Hainin, M. R.**, & Hassan, S. A. (2014). Trip Generations at "Polyclinic" Land Use Type in Johor Bahru, Malaysia. *PROMET-Traffic&Transportation*, 26(6), 467-473, ISSN: 0353-5320, IF: 0.43, WOS-Q4
93. Jaya, R. P., Bakar, B. H. A., Johari, M. A. M., Ibrahim, M. H. W., **Hainin, M. R.**, & Jayanti, D. S. (2014). Strength and microstructure analysis of concrete containing rice husk ash under seawater attack by wetting and drying cycles. *Advances in Cement Research*, 26(3), 145-154, ISSN: 0951-7197, IF: 0.646, WOS-Q4

94. Abdullah, M. E., Zamhari, K. A., Buhari, R., Nayan, M. N., & **Mohd Rosli, H.** (2014). Short term and long term aging effects of asphalt binder modified with montmorillonite (Vol. 594, pp. 996-1002). Trans Tech Publications.
95. Rusbintardjo, G., **Hainin, M. R.**, & Yusoff, N. I. M. (2013). Fundamental and rheological properties of oil palm fruit ash modified bitumen. *Construction and Building Materials*, 49, 702-711, ISSN: 0950-0618, IF: 3.169, WOS-Q1
96. **Hainin, M. R.**, Yusoff, N. I. M., Satar, M. K. I. M., & Brown, E. R. (2013). The effect of lift thickness on permeability and the time available for compaction of hot mix asphalt pavement under tropical climate condition. *Construction and Building Materials*, 48, 315-324, ISSN: 0950-0618, IF: 3.169, WOS-Q1
97. Yusoff, N. I. M., **Hainin, M. R.**, Mounier, D., & Airey, G. D. (2013). The use of inter-conversion equations on bituminous binder data. *Sains Malaysiana*, 42(11), 1647-1654, ISSN: 0126-6039, IF: 0.47, WOS-Q3
98. Wu, J., Yusoff, N. I. M., Jakarni, F. M., & **Hainin, M. R.** (2013). Correction of compliance errors in the dynamic shear modulus of bituminous binders data. *Sains Malaysiana*, 42(6), 783-792, ISSN: 0126-6039, IF: 0.47, WOS-Q3
99. *Yusoff, N. I. M., Jakarni, F. M., Nguyen, V. H., **Hainin, M. R.**, & Airey, G. D. (2013). Modelling the rheological properties of bituminous binders using mathematical equations. *Construction and Building Materials*, 40, 174-188, ISSN: 0950-0618, IF: 3.169, WOS-Q1*
100. *Haron, Z., Othman, M. H., Yahya, K., **Hainin, M. R.**, & Yaacob, H. (2013). The Effect of Application of Transverse Rumble Strips on Traffic Noise Levels. *Research Journal of Chemistry and Environment*, 17(2), 13-18, ISSN: 0972-0626, IF: 0.636, WOS-Q4*
101. *Yaacob, H., **Mohd Rosli, H.**, & Chang, F. L. (2013). Properties of Single Face Compacted Porous Asphalt. In *Applied Mechanics and Materials* (Vol. 361, pp. 1590-1593). Trans Tech Publications.*
102. *Idham, M. K., **Mohd Rosli, H.**, Yaacob, H., Warid, M. N. M., & Abdullah, M. E. (2013). Effect of aging on resilient modulus of hot mix asphalt mixtures. In *Advanced Materials Research* (Vol. 723, pp. 291-297). Trans Tech Publications.*
103. *Abdullah, M. E., Zamhari, K. A., Shamshudin, M. K., **Mohd Rosli, H.**, & Idham, M. K. (2013). Rheological properties of asphalt binder modified with chemical warm asphalt additive. In *Advanced Materials Research* (Vol. 671, pp. 1692-1699). Trans Tech Publications.*
104. *Yusoff, N. I. M., Jakarni, F. M., Nguyen, V. H., **Hainin, M. R.**, & Airey, G. D. (2013). Modelling the rheological properties of bituminous binders using mathematical equations. *Construction and Building Materials*, 40, 174-188, ISSN: 0950-0618, IF: 3.169, WOS-Q1*

105. Wu, J., Nur, N. I., Jun, C., Yun, L., **Hainin, M. R.**, & Airey, G. D. (2012). Aging properties of HMB15 with varying binder film thicknesses. *Sains Malaysiana*, 41(12), 1595-1603, ISSN: 0126-6039, IF: 0.47, WOS-Q3
106. Yusoff, N. I. M., **Hainin, M. R.**, & Airey, G. D. (2012). A comparative study of phase angle predictive equations using bituminous binder data. *Arabian Journal for Science and Engineering*, 37(6), 1571-1583, ISSN: 1319-8025, IF: 0.865, WOS-Q3
107. Othman, M. H., Zaiton, H., Yusof, M., Badruddin, M., **Mohd Rosli, H.**, Yahya, K., ... & Azman, S. (2012). Evaluation of External Noise Produced by Transverse Rumble Strips on Rural Roadways. In *Advanced Materials Research (Vol. 446, pp. 2617-2623)*. Trans Tech Publications.
108. Ahmad, J., Abdul Rahman, M. Y., **Hainin, M. R.**, & Hossain, M. (2012). Comparative evaluation of hot-mix asphalt design methods. *International Journal of Pavement Engineering*, 13(2), 89-97, ISSN: 1029-8436, IF: 1.832, WOS-Q2
109. Yusoff, N. I. M., **Hainin, M. R.**, & Nor, H. M. (2012). Jointing Sand Characteristics of Interlocking Concrete Block Pavements at Different Slopes and Joint Widths. *SAINS MALAYSIANA*, 41(1), 103-110, ISSN: 0126-6039, IF: 0.47, WOS-Q3
110. Yero, A. S., **Hainin, M. R.**, & Chik, A. (2010). Rheological Properties Of Bitumen Modified With Commercial Wax The "Green Asphalt" Technology. *PROCEEDINGS OF THE SECOND INTERNATIONAL POSTGRADUATE CONFERENCE ON INFRASTRUCTURE AND ENVIRONMENT, VOL 1*, 95-100
111. Ling, T. C., Nor, H. M., **Hainin, M. R.**, & Chik, A. A. (2009). Laboratory performance of crumb rubber concrete block pavement. *International Journal of Pavement Engineering*, 10(5), 361-374, ISSN: 1029-8436, IF: 1.832, WOS-Q2
112. Ling, T. C., Nor, H. M., & **Hainin, M. R.** (2009). Properties of crumb rubber concrete paving blocks with :SBR latex. *Road Materials and Pavement Design*, 10(1), 213-222, ISSN: 1468-0629, IF: 1.401, WOS-Q2.
113. Brown, E., Hainin, M. R., & Cooley Jr, L. A. (2005). Determining Minimum Lift Thickness for Hot Mix Asphalt (HMA) Mixtures (With Discussion). *Journal of the association of asphalt paving technologists (AAPT), USA Vol. 74, 2005*. ISSN 0270-2932, pp 23-66
114. Cooley Jr, L. A., Prowell, B. D., & Hainin, M. R. (2003). Comparison of the saturated surface-dry and vacuum sealing methods for determining the bulk specific gravity of compacted HMA (with discussion and closure). *Journal of the Association of Asphalt Paving Technologists (AAPT), USA Vol. 72, 2003*. ISSN 0270-2932 pp 56-69.

[SCOPUS Journal](#)

1. Wahid, C. M. F. H. C., Ramli, M. R., Aminudin, E., Noor, Z. Z., Neardey, M., Zakaria, R., **Hainin, M. R.**, Satar, M. K. I. M., Warid, M. N. M., Majid, M. Z. A., & Sa'Ar, C. C. (2019, April). Review on the method for carbon footprint calculation of highway development. In IOP Conference Series: Materials Science and Engineering (Vol. 513, No. 1, p. 012001). IOP Publishing.
2. Wahid, C. M. F. H. C., Aminudin, E., Majid, M. Z. A., **Hainin, M. R.**, Satar, M. K. I. M., Warid, M. N. M., ... & Mazlan, A. N. (2019, April). Carbon footprints calculator of highway pavement rehabilitation: The quantification of carbon emissions per unit activity. In IOP Conference Series: Materials Science and Engineering (Vol. 512, No. 1, p. 012010). IOP Publishing.
3. Rahmat, N. A., Hassan, N. A., Jaya, R. P., Satar, M. M., Azahar, N. M., Ismail, S., & **Hainin, M. R.** (2019, February). Effect of compaction temperature on the performance of dense-graded asphalt mixture. In IOP Conference Series: Earth and Environmental Science (Vol. 244, No. 1, p. 012012). IOP Publishing.
4. Ramadhansyah, P. J., Azman, M. K., Idris, A. M., Aifa, W. W. N., Ekarizan, S., **Hainin, M. R.**, ... & Haryati, Y. (2019, February). Voids Characteristic of Hot Mix Asphalt Containing Waste Cooking Oil. In IOP Conference Series: Earth and Environmental Science (Vol. 244, No. 1, p. 012049). IOP Publishing.
5. Nordiana, M., Aifa, W. W. N., **Hainin, M. R.**, Naqiuddin, M. M., Norhidayah, A. H., Haryati, Y., ... & Ramadhansyah, P. J. (2019, February). Rutting resistance of untreated and treated waste cooking oil in bitumen after aging condition. In IOP Conference Series: Earth and Environmental Science (Vol. 244, No. 1, p. 012041). IOP Publishing.
6. **Hainin, M. R.**, Ibrahim, M. M., Idham, M. M. K., Nordiana, M., Ramadhansyah, P. J., Idris, A. M., ... & Fadzli, M. N. (2019, February). Porosity and permeability properties of Nano black rice hush ash in porous concrete pavement. In IOP Conference Series: Earth and Environmental Science (Vol. 244, No. 1, p. 012039). IOP Publishing.
7. Marwan, H., **Hainin, M. R.**, Warid, M. N. M., Idham, M. K., & Naqibah, S. N. (2019, January). Evaluation of vehicle overloading along Muar-Melaka road. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012017). IOP Publishing.
8. Zaid, N. B. M., **Hainin, M. R.**, Idham, M. K., Warid, M. N. M., & Naqibah, S. N. (2019, January). Evaluation of Skid Resistance Performance Using British Pendulum and Grip Tester. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012016). IOP Publishing.
9. Selamat, N. A., **Hainin, M. R.**, Warid, M. N. M., Idham, M. K., & Naqibah, S. N. (2019, January). Investigation on road damage due to vehicle overloading of high volume Ipoh state road. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012018). IOP Publishing.
10. Noor, Z. A. M., **Hainin, M. R.**, Idham, M. K., Warid, M. N. M., & Naqibah, S. N. (2019, January). Relationship between rutting, roughness and resilient modulus of flexible expressway pavement. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012019). IOP Publishing.

11. Azahar, N. M., Hassan, N. A., Putrajaya, R., **Hainin, M. R.**, Puan, O. C., Shukry, N. A. M., & Hezmi, M. A. (2019, January). Engineering properties of asphalt binder modified with cup lump rubber. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012014). IOP Publishing.
12. Ismail, S., Hassan, N. A., Yaacob, H., **Hainin, M. R.**, Ismail, C. R., Mohamed, A., & Satar, M. K. I. M. (2019, January). Properties of dense-graded asphalt mixture compacted at different temperatures. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012010). IOP Publishing.
13. Mahssin, Z. Y., Hassan, N. A., Yaacob, H., Puteh, M. H., Amin, N. A. S., Zainol, M. M., & **Hainin, M. R.** (2019, January). Characterization of asphalt binder containing hydrothermal liquefied composition extracted from food waste. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012013). IOP Publishing.
14. Ramadhansyah, P. J., Haryati, Y., Norhidayah, A. H., **Rosli, H. M.**, Naquiuddin, M. M., Azman, M., ... & Ekarizan, S. (2019, January). Creep and resilient modulus properties of asphaltic concrete containing black rice husk ash. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012005). IOP Publishing.
15. **Hainin, M. R.**, Ramadhansyah, P. J., Awang, H., Azman, M. K., Suhana, M. I., Nordiana, M., ... & Ros, I. C. (2019, January). Marshall stability properties of asphaltic concrete with kaolin clay under aging. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012040). IOP Publishing.
16. Ramadhansyah, P. J., Awang, H., Amirah, M. N., Idham, M. M. K., Haryati, Y., **Rosli, H. M.**, ... & Rosli, M. M. (2019, January). Performance of asphalt mixture incorporating kaolin clay at different aging. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012004). IOP Publishing.
17. Ramadhansyah, P. J., Azlan, A. N., Haryati, Y., **Rosli, H. M.**, Norhidayah, A. H., Idham, M. M. K., ... & Ekarizan, S. (2019, January). Effects of black rice husk ash on asphalt mixture under aging condition. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012006). IOP Publishing.
18. Barudin, N. M., Yaacob, H., Hassan, N. A., Warid, M. N. M., idham, M. K., Ismail, C. R., Nor, H. M., **Hainin, M. R.**, Mohamad, A., Afiqah, R. N., Ayob, M. F. & Jaya, R. P. (2019, January). Correlation between functional and structural properties of flexible pavement. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012007). IOP Publishing.
19. Baskara, S. N., Yaacob, H., **Hainin, M. R.**, Hassan, S. A., Mashros, N., Yunus, N. Z. M., ... & Nor, H. M. (2019, January). Influence of pavement condition towards accident number on Malaysian highway. In IOP Conference Series: Earth and Environmental Science (Vol. 220, No. 1, p. 012008). IOP Publishing.\

20. Ahmad, K. A., Abdul Hassan, N., Abdullah, M. E., Bilema, M. A., Usman, N., Al Allam, A. A. M., & **Hainin, M. R. B.** (2019). Image processing procedure to quantify the internal structure of porous asphalt concrete. *Multidiscipline Modeling in Materials and Structures*, 15(1), 206-226.
21. Ramli, M. R., Noor, Z. Z., Aminudin, E., **Hainin, M. R.**, Zakaria, R., Zin, R. M., ... & Neardey, M. (2019). Carbon Footprint Assessment at Rest and Service Area of Malaysia Highway. *Chemical Engineering Transactions*, 72, 73-78.
22. Jaya, R. P., Satar, M. M., Abdullah, N. A., **Hainin, M. R.**, Hassan, N. A., Yaacob, H., ... & Ramli, N. I. (2018, October). Effect of Black Rice Husk Ash on Asphaltic Concrete Properties under Aging Condition. In *IOP Conference Series: Materials Science and Engineering* (Vol. 431, No. 3, p. 032003). IOP Publishing.
23. Lopa, R. S., Jaya, R. P., Mashros, N., Hassan, N. A., Yaacob, H., **Hainin, M. R.**, ... & Ramli, N. I. (2018, November). Creep stiffness and voids characteristic of asphalt mixture with waste cooking oil after aging. In *AIP Conference Proceedings* (Vol. 2030, No. 1, p. 020181). AIP Publishing.
24. Kamarudin, N. H. M., **Hainin, M. R.**, Hassan, N. A., Abdullah, M. E., Idham, M. K. & Raman, N. A. A. (2018, Julai). Effect of Chemical Warm Asphalt Additive on the Rutting Characteristic of Aged Binder Containing Waste Engine Oil. In *IOP Conference Series: Journal of Pyhsics* (Vol. 1049, Conference 1, p. 012030). IOP Publishing Ltd.
25. Kamarudin, S. N. N., **Hainin, M. R.**, Hassan, N. A., Satar, M. K. I. M. & Warid, M. N. M. (2018, Julai). Comparison of Performance between Hot and Warm Mix Asphalt as Related to Compaction Design. In *IOP Conference Series: Journal of Pyhsics* (Vol. 1049, Conference 1, p. 012036). IOP Publishing Ltd.
26. Satar, M. K. I. M., Jaya, R. P., Rafsanjani, M. H., Mat, N. C., **Hainin, M. R.**, Aziz, M. M. A., Abdullah, M. E., & Jayanti, D. S. (2018, Julai). Performance of Kaolin Clay on Hot-mix Asphalt Properties. In *IOP Conference Series: Journal of Pyhsics* (Vol. 1049, Conference 1, p. 012002). IOP Publishing Ltd.
27. Mohd Shukry, N. A., Abdul Hassan, N., Abdullah, M. E., **Hainin, M. R.**, Yusoff, N. I. M., Mahmud, M. Z. H., ... & Mohd Satar, M. K. I. (2018). Influence of diatomite filler on rheological properties of porous asphalt mastic. *International Journal of Pavement Engineering*, 1-9.
28. Ibrahim, M. M., Ramadhansyah, P. J., **Hainin, M. R.**, & Ibrahim, M. W. (2018, January). Mechanical performance of porous concrete pavement containing nano black rice husk ash. In *IOP Conference Series: Materials Science and Engineering* (Vol. 290, No. 1, p. 012050). IOP Publishing.
29. **Hainin, M. R.**, Ramadhansyah, P. J., Chan, T. H., Norhidayah, A. H., & Nazri, F. M. (2017). Strength and Properties of Concrete Pavement Incorporating Multiple Blended Binders. In *Materials Science Forum* (Vol. 889, pp. 265-269). Trans Tech Publications.
30. Oluwasola, E.A., **Hainin, M.R.** & Aziz, Md.M.A. (2016). Durability assessment of dense-graded asphalt incorporating electric arc furnace steel slag and copper mine tailings. In *8th International Conference on Maintenance and Rehabilitation of Pavements, MAIREPAV 2016*, pp. 859-871.

31. Yusak, M., Ibrahim, M., Putra Jaya, R., **Hainin, M. R.**, Ibrahim, W., & Haziman, M. (2016). A review of microstructure properties of porous concrete pavement incorporating nano silica. In *ARPN Journal of Engineering and Applied Sciences*, 11(20), pp. 11832-11835
32. Hasan, N. A., Mahmud, M. Z. F., Adi, N., Rahmat, N., **Hainin, M. R.**, & Jaya, R. P. (2016). Effects of air voids content on the performance of porous asphalt mixtures. *ARPN Journal of Engineering and Applied Sciences*, 11(20), 11884-11887.
33. Abdullah, M. E., Kamaruddin, M., Hidayah, N., David, B. D., Abdul Hassan, N., **Hainin, M. R.**, Tajudin, S. A. A., Madun, A., & Mapanggih, R. (2016). Stiffness modulus properties of hot mix asphalt containing waste engine oil. In *ARPN Journal of Engineering and Applied Sciences*, 11(24), pp. 14089-14091
34. Hassan, N. A., Mahmud, M. Z. H., Ahmad, K. A., **Hainin, M. R.**, Jaya, R. P., & Mashros, N. (2016). Air voids characterisation and permeability of porous asphalt gradations used in different countries. In *ARPN Journal of Engineering and Applied Sciences*, 11(24), pp. 14043-14047
35. Azahar, W., Aifa, W. N., Bujang, M., Jaya, R. P., **Hainin, M. R.**, Ngadi, N., & Al Bakri Abdullah, M. M. (2016). Effect of Antioxidant Characteristic from Waste Cooking Oil in Modified Asphalt Binder. In *Key Engineering Materials* (Vol. 700, pp. 197-206). Trans Tech Publications.
36. Azahar, W., Aifa, W. N., Bujang, M., Jaya, R. P., **Hainin, M. R.**, Ngadi, N., & Mohamad, M. (2016). Chemical Identification of Waste Cooking Oil as Additive in Bitumen. In *Key Engineering Materials* (Vol. 700, pp. 207-215). Trans Tech Publications.
37. Azahar, W., Aifa, W. N., Bujang, M., Jaya, R. P., **Hainin, M. R.**, Ngadi, N., & Al Bakri Abdullah, M. M. (2016). Performance of waste cooking oil in asphalt binder modification. In *Key Engineering Materials* (Vol. 700, pp. 216-226). Trans Tech Publications.
38. Kamaruddin, M., Hidayah, N., **Hainin, M. R.**, Abdul Hassan, N., & Abdullah, M. E. (2015). Effect of chemical warm asphalt additive on wettability of aged binder incorporating waste engine oil. *International Journal of Applied Engineering Research*, 10(10), 26139-26147.
39. Kamaruddin, M., Hidayah, N., **Hainin, M. R.**, Abdul Hassan, N., & Abdullah, M. E. (2015). Effect of chemical warm asphalt additive on wettability of aged binder incorporating waste engine oil. *International Journal of Applied Engineering Research*, 10(11), pp. 29221-29229
40. Rusbintardjo, G., **Hainin, M. R.**, & Yusoff, N. I. M. (2015). Improvement in properties of expansive clay by stabilizing with Buton rock asphalt. *Jurnal Teknologi*, 73(4), 111-116, ISSN: 2180-3722

41. Yaacob, H., Hassan, N. A., **Hainin, M. R.**, & Rosli, M. F. (2014). Comparison of sand patch test and multi laser profiler in pavement surface measurement. *Jurnal Teknologi*, 70(4), 72-76.
42. Ahmed, I., Ramli, I., & **Hainin, M. R.** (2014). Parking Generation by "Pharmacy" Land Use Type in Johor Bahru, Malaysia. *Jurnal Teknologi*, 69(2), 23-26
43. Ahmed, I., Ahmed, B., & **Hainin, M. R.** (2014). Road Traffic Accident Characteristics in Dhaka, Bangladesh. *Jurnal Teknologi*, 71(3), 75-82.
44. Ahmed, I., Mahmood, S. S., **Hainin, M. R.**, & Ramli, I. (2014). A Review of Selected Traffic Engineering Parameters in Police Crash Report Forms of Selected Countries. *Jurnal Teknologi*, 70(4), pp. 51-55
45. **Hainin, M. R.**, Matori, M. Y., & Akin, O. E. (2014). Evaluation of factors influencing strength of foamed bitumen stabilised mix. *Jurnal Teknologi*, 70(4), 111-119.
46. Oluwasola, E. A., **Hainin, M. R.**, & Aziz, M. M. A. (2014). Characteristics and utilization of steel slag in road construction. *Jurnal Teknologi*, 70(7), 117-123.
47. Yaacob, H., **Hainin, M. R.**, & Baskara, S. N. A. L. (2014). Effect Of Rainfall Intensity And Road Crossfall On Skid Resistance Of Asphalt Pavement. *Jurnal Teknologi*, 70(4), 121-125.
48. Jamion, N., **Hainin, M.R.**, & Yaacob, H. (2014). Performance of Micro Surfacing on Expressway. *Jurnal Teknologi*, 70(7), pp. 125-129
49. Chang, F. L., Yaacob, H., & **Hainin, M. R.** (2014). Effect of single face compaction on stability and flow of asphalt specimen. *Jurnal Teknologi (Sciences and Engineering)*, 69(3), pp. 17-22
50. Hassan, J. S., Zin, R. M., Majid, M. A., Balubaid, S., & **Hainin, M. R.** (2014). Building energy consumption in Malaysia: An overview. *Jurnal Teknologi*, 70, 33-38.
51. Yafai, K. N., Hassan, J. S., Balubaid, S., Zin, R. M., & **Hainin, M. R.** (2014). Development of a risk assessment model for Oman Construction industry. *Jurnal Teknologi*, 70(7), 55-64.
52. Azman, M., Hasanan, M. N., **Hainin, M. R.**, & Hafizah, N. A. K. (2014). Effective Thickness of Bedding Sand Layer for Shell Groove-Underside Shaped Concrete Blocks for Pavement. *Jurnal Teknologi*, 70(4).
53. Chang, F. L., Yaacob, H., **Hainin, M. R.**, & Rashid, A. S. A. Compilation of Pavement Interface Bond Strength Devices for Bond Strength Quantification. *Jurnal Teknologi*, 71(3), pp. 15-22

54. Kamaruddin, M., Hidayah, N., **Hainin, M. R.**, Abdul Hassan, N., Abdullah, M. E., & Yaacob, H. (2014). Evaluation of pavement mixture incorporating waste oil. *Jurnal Teknologi*, 71(3), 93-98.
55. Rahman, M. T., Aziz, M. M. A., **Hainin, M. R.**, & Bakar, W. A. W. A. (2014). Impact of bitumen binder: scope of bio-based binder for construction of flexible pavement. *Jurnal Teknologi*, 70(7), pp. 105-109
56. Ramadhansyah, P. J., Ibrahim, M., Yusak, M., **Mohd Rosli, H.**, Ibrahim, W., & Haziman, M. (2014). A review of porous concrete pavement: applications and engineering properties. In *Applied Mechanics and Materials* (Vol. 554, pp. 37-41). Trans Tech Publications.
57. Rusbintardjo, G., **Hainin, M. R.**, Mubaraki, M. A., & Yusoff, N. I. M. (2014). The performance characteristics of stone mastic asphalt mixtures using oil palm fruit ash-modified bitumen. *International Journal of Pavement Research and Technology*, 7(4), 227-236.
58. Bujang, M., **Hainin, M. R.**, Yadollahi, M., Majid, M. Z. A., Zin, R. M., & Wan, W. N. (2014). Pavement Material and Technology Elements in Green Highway Rating Systems-A Conspectus. *Jurnal Teknologi (Sciences & Engineering)*, 70(7), 131-138.
59. Mazlan, A. N., Zin, R. M., Zakaria, R., Majid, M. Z., **Hainin, M. R.**, Yazida, Y. S., Ismail, M. A., & Ismail, H. H. (2014). Elements of Green Highway Assessment: Social and Safety. *Jurnal Teknologi*, 70(7), 21-26.
60. Ahmad, J., Yusoff, N. I. M., **Hainin, M. R.**, Rahman, M. Y. A., & Hossain, M. (2014). Evaluation on Performance Characteristics of Superpave Asphalt Mix Design under Tropical Climatic Conditions. *International Journal of Pavement Research and Technology*, 7(5), 331-342.
61. Nurul Hidayah, M. K., **Hainin, M. R.**, Hassan, N. A., & Abdullah, M. E. (2014). Rutting evaluation of aged binder containing waste engine oil. In *Advanced Materials Research* (Vol. 911, pp. 405-409). Trans Tech Publications.
62. **Hainin, M. R.**, Aziz, M. M. A., Shokri, M., Jaya, R. P., Hassan, N. A., & Ahsan, A. (2014). Performance of Steel Slag in Highway Surface Course. *Jurnal Teknologi*, 71(3), 99-102.
63. Mashros, N., **Hainin, M. R.**, Hassan, N. A., Yunus, N. Z. M., & Kadir, M. A. A. (2014). Exploring the pattern of platoon dispersion caused by traffic signal. *Jurnal Teknologi*, 71, 7-13.
64. **Hainin, M. R.**, Warid, M. N. M., Izzul, R., Ruzaini, M. K., Ibrahim, M., & Yusak, M. (2014). Investigations of rubber dipping by-product on bitumen properties. In *Advanced Materials Research* (Vol. 911, pp. 449-453). Trans Tech Publications.

65. **Hainin, M. R.**, Rusbintardjo, G., Hameed, M. A. S., Hassan, N. A., & Yusoff, N. I. M. (2014). Utilisation of steel slag as an aggregate replacement in porous asphalt mixtures. *Jurnal Teknologi (Sciences and Engineering)*, 69(1), 67-73.
66. Sufian, Z., Aziz, N. A., Matori, M. Y., Hussain, M. Z., **Hainin, M. R.**, & Oluwasola, E. A. (2014). Influence of active filler, curing time and moisture content on the strength properties of emulsion and foamed bitumen stabilized mix. *Jurnal Teknologi*, 70(4), 135-141.
67. Abdullah, M. E., Ahmad Zamhari, K., Buhari, R., Abu Bakar, S. K., Kamaruddin, N. H. M., Nayan, N., **Hainin, M. R.**, Hassan, N. A., Hassan, S. A., & Yusoff, M. (2014). Warm mix asphalt technology: a review. *Jurnal Teknologi*, 71(3), 39-52.
68. Putra Jaya, R., Yusak, M. I., **Hainin, M. R.**, Warid, M. N. M., Ibrahim, W., & Haziman, M. (2014). Porous concrete pavement containing nano-silica: Pre-review. In *Advanced Materials Research (Vol. 911, pp. 454-458)*. Trans Tech Publications.
69. **Hainin, M. R.**, Rusbintardjo, G., Aziz, M. A. A., Hamim, A., & Yusoff, N. M. (2013). Laboratory evaluation on steel slag as aggregate replacement in stone mastic asphalt mixtures. *Jurnal Teknologi*, 65(2), 13-19.
70. Hamim, A., Hardwiyono, S., El-Shafie, A., Yusoff, N. I. M., & **Hainin, M. R.** (2013). Ramalan cirian reologi campuran berasfalt menggunakan rangkaian saraf tiruan. *Jurnal Teknologi (Sciences and Engineering)*, 65(1), 1-8.
71. Ahmed, I., Ahmed, B., & **Hainin, M. R.** (2013). High-risk road accident corridors in Dhaka, Bangladesh. *Jurnal Teknologi*, 65(3), 61-65.
72. Hassan, N. A., **Hainin, M. R.**, Yaacob, H., Ismail, C. R., & Yunus, N. Z. M. (2013). Evaluation on mix design and rutting resistance of dry mixed rubberised asphalt mixtures. *Jurnal Teknologi*, 65(3), 115-120.
73. Ramli, I., Yaacob, H., Hassan, N. A., Ismail, C. R., & **Hainin, M. R.** (2013). Fine Aggregate Angularity Effects on Rutting Resistance of Asphalt Mixture. *Jurnal Teknologi (Science & Engineering)*, 65(3).
74. Yaacob, H., **Hainin, M. R.**, Maniruzzaman, M., Warid, M. N. M., Chang, F. L., & Ismail, C. R. (2013). Bitumen Emulsion in Malaysia—A Conspectus. *J. Teknol*, 3, 97-104.
75. **Hainin, M. R.**, Akhir, N. M., Jaya, R. P., Yusoff, N. I. M., Yaacob, H., Ismail, C. R., & Hassan, N. A. (2013). Aggregate degradation characteristics of stone mastic asphalt mixtures. *Jurnal Teknologi*, 65(3), 111-114.

76. Zakaria, R., Seng, F. K., Zin, R. M., **Hainin, M. R.**, Puan, O. C., Derin, N., ... & Ismail, M. A. (2013). Energy efficiency criteria for green highways in Malaysia. *Journal of Technologies*, 3, 91-5.
77. Sundara, P., Puan, O. C., & **Hainin, M. R.** (2013). Determining the impact of darkness on highway traffic shockwave propagation. *American Journal of Applied Sciences*, 10(9), 1000-1008
78. Azman, M., Nor, H. M., **Hainin, M. R.**, Yaacob, H., Ismail, C. R., & Nur Hafizah, A. K. (2013). The effect of groove-underside shaped concrete block on pavement permanent deformation. *Jurnal Teknologi*, 61(3), 7-14.
79. Taha, M. R., Hardwiyono, S., Yusoff, N. I. M., **Hainin, M. R.**, Wu, J., & Nayan, K. A. M. (2013). Study of the effect of temperature changes on the elastic modulus of flexible pavement layers. *Research Journal of Applied Sciences, Engineering and Technology*, 5(5), 1661-1667.
80. Rozana, Z., Foo, K. S., Ainee, F., Majid, M. Z. A., Zin, R. M., **Hainin, M. R.**, Yaacob, H., Hamzah, N., Balubaid, S. O., Mazlan, A. N., Ismail, M. A., Yazid, Y. S., Haidar, H., & Marwar, N. (2013). Energy Consumption and Potential Retrofitting of Rest and Service Areas (RSAs) in Malaysia Case Study. In *Applied Mechanics and Materials* (Vol. 284-287, pp. 1311-1314). Trans Tech Publications.
81. **Hainin, M. R.**, Reshi, W.F., & Niroumand, H. (2012). The importance of stone mastic asphalt in construction. *Electronic Journal of Geotechnical Engineering*, 17 HR, pp. 49.56-74
82. **Hainin, M. R.**, Niroumand, H., Kassim, K. A., & Nazir, R. (2012). Fly Ash as a Sustainable and Waste Material. *Electronic Journal of Geotechnical Engineering*, 17, 39-47.
83. Hamim, A., Ahmad, S., Zakaria, M., Abdulgadir, M. A. H., Yusoff, N. I. M., **Hainin, M.R.**, & Rahmat, R. A. A. O. K. (2012). Evaluation of Malaysian hot-mix asphalt properties at different aggregate gradations. *Australian Journal of Basic and Applied Sciences*, 6(7), 9-14.
84. Yusoff, N. I. M., Airey, G. D., & **Hainin, M. R.** (2010). Predictability of complex modulus using rheological models. *Asian Journal of Scientific Research*, 3(1), 18-30.
85. Nor, T. C. L. H. M., & **Hainin, M. R.** Properties of crumb rubber concrete paving blocks with SBR latex. *Road Materials and Pavement Design*, 10(1), 213-222

[OTHER INDEXED Journal](#)

1. Arshad, M. F., Awang, H., Jaya, R. P., Ali, M. I., Yusak, M. I. M., Hainin, M. R., & Ibrahim, M. H. W. (2018). Effect Of Nano Black Rice Husk Ash On The Chemical And Physical Properties Of Porous Concrete Pavement. *Journal of Southwest Jiaotong University*, 53(5).

2. Mughal, M. A., **Hainin, M. R.**, Jaya, R. P., Yunus, M. F., Rahman, M. D., Idham, M. K., & Warid, M. N. M. (2018). Stabilizing Asphalt Concrete Using Kenaf Fibers. *Advanced Science Letters*, 24(6), 3963-3967.
3. Nurul Athma Mohd Shukry, Norhidayah Abdul Hassan, Mohd Ezree Abdullah, **Mohd Rosli Hainin**, Nur Izzi Md. Yusoff, Nor Asniza Mohamed Abdullah and Ramadhansyah Putra Jaya, Effects of Diatomite as Filler on the Porous Asphalt Mixtures Properties, *Malaysian Journal of Civil Engineering (MJCE)*, Vol. 29 (Special Issue 2), 2017, 174-186, ISSN: 1823-7843
4. Izzul Ramli, **Mohd Rosli Hainin**, Sitti Asmah Hassan, Parking Demand Analysis of Rest and Service Area Along Expressway in Southern Region, Johor Malaysia, *Malaysian Journal of Civil Engineering (MJCE)*, Vol. 29(Special Issue 1), 2017,118-128, ISSN: 1823-7843
5. Ebenezer Akin Oluwasola, **Mohd Rosli Hainin**, Md Maniruzzaman A. Aziz and Santokh Singh A/L Mahinder Singh. "Effect of Aging of the Resilient Modulus of Stone Mastic Asphalt Incorporating Electric Arc Furnace Steel Slag and Copper Mine Tailings", *Proceedings of International Civil and Infrastructure Engineering Conference 2014 (InCIEC 2014)*, 2015, 1199-1208, ISSN: 978-981-287-289-0, Google Scholar Index
6. Mohd Ibrahim Mohd Yusak, Ramadhansyah Putra Jaya, **Mohd Rosli Hainin** and Mohd Haziman Wan Ibrahim. "An Overview on Performance of Nano Silica Materials on the Properties of Porous Concrete Pavement", *Advanced Review on Scientific Research*, 1(1), 2014, 34-42, ISSN: 2289-7887.
7. J. Ahmad, M.Y. Abdul Rahman and **M.R. Hainin**, Permanent Deformation of Superpave and Marshall Mix Using SPT Dynamic Modulus Test, *International Journal of Engineering Development and Research* Vol.2, Issue 2 (2014) pp. 2550-2555
8. Suzielah Rahmad, Nur Izzi Md Nor and **Mohd Rosli Hainin**. Revisiting The Use of Rubberized Asphalt Mixtures, *JURUTERA, The Monthly Bulletin of The Institution of Engineers, Malaysia*, Vol 2014 No 5, pp 20-22, ISSN: 0126-9909.
9. Patrick Liq Yee Tiong, Mushairry Mustaffar and **Mohd Rosli Hainin**. Road Surface Assessment of Pothole Severity by Close Range Digital Photogrammetry Method, *World Applied Science Journal* Vol. 19(6) (2012), pp 867-873. ISSN: 19916426
10. Hamed Niroumand, K.A. Kassim, R. Nazir, K.Faizi, **R. Hainin**, "Numerical Simulation of Buried Pipe under Wheel Loads" *Archives Des Sciences* Vol 65, No 5, May 2012, pp 395 –401, ISSN: 1661-464X
11. Parameswary Sundara, Othman Che Puan and **M. Rosli**, "Impact of Highway Darkness on Traffic Flow Characteristics", *Journal of Basic and Applied Scientific Research*, 3(11), 2013, 1-8, ISSN: 2090-424x.
12. **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, ISSN: 1823-7843MyAis Index

13. Salman Ullah Sheikh, Nur Izzi Md. Yusoff, **Mohd. Rosli Hainin**, Asmah Hamim and Che Ros Ismail. Evaluation of Rutting Potential of Hot Mix Asphalt in Variable Conditions. The Journal of The Institution of Engineers of Malaysia (IEM), Volume 74, No 1, June 2013, pp 4-13, ISSN: 0126-513X
14. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "Evaluation of Bitumin Properties Modified with Additive", International Journal of Research and Reviews in Applied Science IJRRAS 13(1), Oct 2012, pp 93 – 97, ISSN: 2076-734X Google Scholar Index
15. 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), Oct 2012, pp 98 – 103, ISSN: 2076-734X Google Scholar Index
16. 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), Oct 2012, pp 104 – 109, ISSN: 2076-734X Google Scholar Index
17. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "Influence of Additive on Bitumen Viscosity Properties at High and Mid-Range Temperatures", ARPN Journal of Science and Technology 2(5), June 2012, pp 422-426, ISSN 2225-7217
18. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "The Properties of Bitumen Modified with Wax", ARPN Journal of Science and Technology 2(5), June 2012, pp 449-454, ISSN 2225-7217
19. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "Viscosity Characteristics of Modified Bitumen", ARPN Journal of Science and Technology 2(5), June 2012, pp 500-503, ISSN: 2225-7217
20. Zaiton Haron, Mohd Hanifi Othman, Khairulzan Yahya, Haryati Yaacob, **Mohd Rosli Hainin**, Mohd Badruddin Mohd Yusof, "Noise Produced by Transverse Rumble Strips: A Case Study on Rural Roadways", IOSR Journal of Mechanical and Civil Engineering, ISSN: 2278-1684, Vol 1, Issue 5 (July-August)2012 pp 12-16
21. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "The Effect of Aging on Bitumen Properties Modified with SBS Polymer", ARPN Journal of Science and Technology 2(7), August 2012, pp 593-596, ISSN 2225-7217
22. Suleiman Arafat Yero and **Mohd Rosli Hainin**, "The Influence of Short Term Aging on Bitumen Properties", ARPN Journal of Science and Technology 2(7), August 2012, pp 597-599, ISSN 2225-7217
23. Othman Che Puan, Che Ros Ismail and **Mohd Rosli Hainin**. Driver's Merging Gap and Stop Delays at Mid Block U Turn Facilities on Multilane Divided Highways. Science Series Data Report, Volume 4, Issue 12 (2012). pp 96-106, ISSN: 1307-119x, **ISTP** Thomson Reuter

24. 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(1) 2012. pp 35 -40, ISSN: 2180-2742
25. Norhidayah Abdul Hassan and **Mohd Rosli Hainin**. Application of X-ray Computed Tomography for Air Voids and Damage Characterisation in Asphalt Mixtures, Institution of Engineers of Malaysia (IEM) Bulletin, ISSN 0126-9909, Issue no. 11, November 2012, pp 20-23
26. Mohd. Raihan Taha, Sentot Hardwiyono, Nur Izzi Md. Yusoff, Khairul Anuar Mohd Nayan and **Mohd Rosli Hainin**. Pengaruh Perubahan Suhu Terhadap Modulus Elastik Lapisan Turapan Boleh Lentur, Jurnal Kejuruteraan UKM, Jilid 24 2012, pp 7-14, ISSN: 0128-0198
27. **Mohd Rosli Hainin**, Nurlizzi Md. Yusoff, Mohd Fahmi Mohammad Sabri, Mohd Azizi Abdul Aziz, Mohd Anwar Sahul Hameed and Wasid Farooq Reshi "Steel Slag as an Aggregate Replacement in Malaysian Hot Mix Asphalt," International Scholarly Research Network Civil Engineering, vol. 2012, Article ID 459016, 5 pages, 2012. doi:10.5402/2012/459016, Google Scholar and DOAJ Index
28. M.E Abdullah, K.A. Zamhari, N. Nayan, **M.R. Hainin** and M. Hermadi, " Physical Properties and Storage Stability of Asphalt Binder Modified with Nanoclay and Warm Asphalt Additives", World Journal of Engineering 9(2) June 2012, pp 155-160, ISSN: 1708-5284 Google Scholar Index
29. Juraidah Ahmad, Mohd Yusof Abdul Rahman and **Mohd Rosli Hainin**, "Rutting Evaluation of Dense Graded Hot Mix Asphalt Mixture", International Journal of Engineering & Technology (IJET-IJEN), Vol. 11 No:05, Oct 2011, pp 56 – 60, ISSN: 2077-1185 Google Scholar Index
30. Sulaiman Arafat Yero and **Mohd Rosli Hainin**, "The Effect of Commercial Wax on Viscosity Characteristic of Modified Asphalt", International Journal of Research and Reviews in Applied Science IJRRAS 8(2), August 2011, pp 171 – 175, ISSN: 2076-734X Google Scholar Index
31. Sulaiman Arafat Yero and **Mohd Rosli Hainin** "Influence of Organic Wax on Bitumen Characteristic", American Journal of Engineering and Applied Sciences 4 (2), 2011, pp 265 – 269, ISSN: 1941-7020 EBSCO, DOAJ Index
32. Nur Izzi bin Md. Yusoff, **Mohd Rosli Hainin**, Gordon D. Airey, "The Use of Polymer Modified Bitumen in Road Paving", Institution of Engineers of Malaysia (IEM) Bulletin, ISSN 0126-9909, Issue no. 8, 2011
33. Nur Izzi bin Md. Yusoff, **Mohd Rosli Hainin**, Gordon D. Airey, "What You Need to Know About Bitumen Rheology", Institution of Engineers of Malaysia (IEM) Bulletin, ISSN 0126-9909, Issue no. 9, 2011
34. Nur Izzi Md Yusoff, Marc-Stéphane Ginoux, Gordon Dan Airey, **Mohd Rosli Hainin**, "Modelling the Linear Viscoelastic Rheological Properties of Base Bitumens", Malaysian Journal of Civil Engineering (MJCE), Vol. 22(1), 2010, ISSN: 1823-7843 MyAis Index

35. Nurlzzi Md Yusof, Amiruddin Ismail, **Mohd Rosli Hainin**, Hasanan Md Nor, Khairul Anwar Husin, "Kajian Ciri-ciri Pasir Pengalas dan Pengisi Sambungan Turapan Blok Konkrit Saling Mengunci (Properties of Bedding sand and Jointing sand of Interlocking Concrete Block Pavement)", Jurnal Kejuruteraan, UKM, Vol. 21, pp 33 – 42, 2009, ISSN: 0128-0198
36. Haryati Yaacob, **Mohd Rosli Hainin**, David Woodward, Alan Woodside, "Changes of Surface Dressing Texture as Related to Time and Chipping Size", Malaysian Journal of Civil Engineering (MJCE), Vol. 20(1), 2008, pp 1-11, ISSN: 1823-7843 MyAis Index
37. **Hainin, M.R.** and Brown, E.R. "Permeability of Hot Mix Asphalt Pavements as Related to Types of Rollers", International Journal of Pavement, USA 2007, Vol 6 (1), pp 51-62, ISSN: 1029-8436 TRIS and EBSCO Index
38. Rachmat Mudiyo, Hasanan Md Nor, **Mohd Rosli Hainin** and Ling Tung Chai, "Performance of Concrete Block Pavement on Sloped Road Section", International Journal of Pavement, USA 2007, Vol 6 (1), pp 136-145, ISSN: 1029-8436 TRIS and EBSCO Index
39. **Hainin, M.R.** and Brown, E.R. "Determination of Maximum In-Place Air voids for Impermeable Hot Mix Asphalt Pavements". Malaysian Journal of Civil Engineering (MJCE), Vol. 18, 2006, pp 46-58, ISSN: 1823-7843MyAis Index
40. **Hainin, M.R.** and Cooley, L.A. Jr. "An Investigation of Factors Influencing Permeability of Hot Mix Asphalt Pavements" International Journal of Pavements, USA, January 2003.pp 41-52, ISSN: ISSN: 1029-8436TRIS and EBSCO Index
41. **Mohd Rosli Hainin**. "Evaluation of Indicator Test for Identification of Segregation in Flexible Pavements – A Case Study." Journal of Civil Engineering, UTM, Vol. 12, No. 2, 2000, pp 1-12, ISSN: 1823-7843 MyAis Index
42. Abdul Aziz Chik, Che Ros Ismail and **Mohd Rosli Hainin**. "Midblock Signalled Pedestrian Crossing-Alternative Controller Algorithms." Journal of Civil Engineering, UTM, Vol. 12, No. 1, 2000, pp 43-51, ISSN: 1823-7843 MyAis Index