

## REFERENCES

1. <http://www.satujam.com/luas-wilayah-indonesia/>, (*Time quotes on 3 July 2017*)
2. Huang, Y.H. (2004) University of Kentucky. 2<sup>nd</sup> Edition. *Pavement Analysis and Design*. Published by Pearson Prentice Hall. pp 1.
3. Robert, F.L., Kandhal, P.S., Brown, E.R., Dah, Y. L., and Kennedy, T.W. (1996). *Hot Mix Asphalt – Materials, Mixture Design and Construction*. 2<sup>nd</sup> edition. NAPA Education Foundation, Lanham, Maryland. pp 448-463.
4. King, G., King, H., Pavlovich, R.D., Epps, A.L., and Kandhal, P.S. (1999). Additives in Asphalt. *Journal of Association of Asphalt Paving Technology*. Vol. 68, pp 32-69.
5. Lavin, P.G. (2003). *Asphalt Pavements A Practical Guide to Design, Production, and Maintenance for Engineers and Architects*. First Edition Spon Press, 11 New Fetter Lane, London EC4P 4EE.,pp 1.
6. McGennis, R.B., Anderson, R.M., Kennedy, T.W., and Solaimanian, M. (1995) *Background of Superpave Asphalt Mixture Design and Analysis*. Federal Highway Administration (FHWA), Report No. FHWA-SA-95-003, July 1995, pp 1-3.
7. Read, J and Whiteoak, D. (2003) *The Shell Bitumen Handbook*. Fifth Edition. Thomas Telford Publishing, Thomas Telford Ltd, 1 Heron Quay, London E14 4JD. pp 62 – 66, 136
8. Epps, J.A. (1986). Asphalt Pavement Modifiers. *The Magazine of Civil Engineering*, April 1986.
9. Yildirim, Y. (2007). Polymer Modified Asphalt Binders. *Journal of Construction and Building Materials*, Volume 21. pp 66-72.
10. Partl, M.N. and Newman, J.K. U.S. Army Corps of Engineer (2003). Flexural beam fatigue properties of airfield asphalt mixtures containing

styrene-butadiene based polymer modifiers. *The Sixth International Rilem Symposium*. Zurich, Switzerland. pp 357-63.

11. Chen, J.S., Liao, M.C., and Shiah, M.S. (2002). Asphalt Modified by Styrene-butadiene-styrene Triblock Copolymer: Morphology and Model. *Journal of Materials in Civil Engineer*. Vol. 14. pp 224 – 229.
12. Isacson, U., and Xiaohu, L. Laboratory Investigation of Polymer Modified Bitumen. *Journal of Association of Asphalt Paving Technologists (AAPT)*, volume 68.
13. Little, D.N., and Claine, J.P.. (2005) Unique Effects of Hydrated Lime Filler on the Performance-Related Properties of Asphalt Cement: Physical and Chemical Interactions Revisited. *Journal of Materials in Civil Engineering*. Volume 17, No. 2, April 2005.
14. Bahia, H.U., and Anderson, D.A. (1995). The SHRP Binder Rheological Parameters: Why Are They Required and How Do They Compare to Conventional Properties. Transportation
15. American Society for Testing and Materials (ASTM) (2004). *ASTM D2872 – 2004: Standard Test Method for Effect and Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)*. Philadelphia U.S.: ASTM International.
16. Drakos, C. (2009). *Flexible Pavement Distress*. University of Florida. [www.pdf-finder.com/Dr.-Christos-Drako](http://www.pdf-finder.com/Dr.-Christos-Drako)
17. Freddy L. Roberts., Prithvi S. Kandhal., E.Ray Brown., Dah-Yinn Lee., and Thomas W. Kennedy, (Second editon 1996) : Hot Mix Asphalt Materials, Mixture Design, and Construction. *National Asphalt Pavement Association Research and Education Foundation*. Lanham, Maryland. pp 418
18. American Society for Testing and Materials (ASTM) (1987). *ASTM D4123 – 82 (Rep-approved 1987): Standard Test for Indirect Tension Test for Resilient Modulus of Bituminous Mixtures*. Philadelphia U.S.: ASTM International.

19. Perraton, D., Di Benedetto, H., Sawzéat, C., De La Roeche, C. Bankowski, W., Parte, M., and Grenfell, J. (2010). Rutting of bituminous mixtures: wheel tracking tests campaign analysis. *Journal of Materials and Structures*. RILEM TC 206 ATC “Advanced Testing of Bituminous Materials”. Published online 19 November 2010.
20. Park, T., Lee, K., Salgado, R., Lovell, C.W., and Coree, B.J. (1997). Use of Pyrolyzed Carbon Black as Additive in Hot Mix Asphalt. *Journal of Transportation Engineering*, Vol. 123, No. 6.
21. American Society for Testing and Materials (ASTM) (1987). *ASTM D3625– 96 (Rep-approved 2005): Standard Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water*. Philadelphia U.S.: ASTM International.
22. <https://id.m.wikipedia.org/wiki/sulphur>, (Time quotes on 3 July 2017)
23. American Society for Testing and Materials (ASTM). *ASTM D5892 Standard Test Method for Storage Stability Determination of Bitumen Modifier*. Philadelphia U.S.: ASTM International.
24. Chen, J.S., Liao, M.C., and Lin, C.H. (2003). Determination of polymer content in modified bitumen. *Journal of Materials and Structures*, Volume 36, November 2003, pp 594-598.
25. American Society for Testing and Materials (ASTM) (2006). *ASTM C131 – 06: Standard Test Method Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine*. Philadelphia U.S.: ASTM International.
26. Jabatan Kerja Raya Malaysia. *Standard Specification for Road Works, Section 4: Flexible Pavement*. No. JKR/SPJ/2008-54, pp S4-58 – S4-69.
27. American Society for Testing and Materials (ASTM) (2006). *ASTM C1252 – 06: Standard Test Method for Uncompacted Void Content of Fine-Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)*. Philadelphia U.S.: ASTM International.

28. Bahia, H.U., and Anderson, D.A. (1994). The Pressure Aging Vessel (PAV): A Test to Simulate Rheological Changes Due to Field Aging. *ASTM Special Technical Publication 1241, 1994.*
29. American Society for Testing and Materials (ASTM) (1992). *ASTM D1559 – 92: Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus.* Philadelphia U.S.: ASTM International.
30. American Society for Testing and Materials (ASTM) (1992). *ASTM D2726 – 09: Standard Test Method for Bulk Specific Gravity and Density of non-Absorptive Compacted Bituminous Mixtures.* Philadelphia U.S.: ASTM International.