

DAFTAR PUSTAKA

- AASHTO. (1990). *“Standard Specifications For Transportation Materials And Methods of Sampling and Testing, Part I, “Specifications”, Fifteenth Edition”*. Washington D.C.
- Abd Elhafeez, Tharwat, Amer, Reda, Saad, Ahmed, El Kady, Hassan, and Madi, Mohamed, *“Evaluation of Flexible Pavement Mixtures Using Conventional Tests and Ultrasonic Wave Propagation,” Advances in Civil Engineering Materials*, Vol. 3, No. 1, 2014, pp. 1–20, doi:10.1520/ACEM20130076. ISSN 2165-3984
- ACI Committee 228. *Nondestructive test methods for evaluation of concrete in structures*. ACI 228, 2R-98. American Concrete Institute, Detroit, 1998.
- Airey, Gordon D., *“Fundamental Binder and Practical Mixture Evaluation of Polymer Modified Bituminous Materials”, International Journal of Pavement Engineering*, Vol. 5, No. 3, pp 137-151, September 2004
- Arabani, M., Kheiry, P. T., and Ferdowsi, B. (2012). *“Use of ultrasonic pulse velocity (UPV) for assessment of HMA mixtures behavior.” IJST Trans. Civ. Eng.*, 36(1), 111–114.
- Arabani, M., Kheiry, P. T., and Ferdowsi, B. (2012). *“Use of ultrasonic pulse velocity (UPV) for assessment of HMA mixtures behavior.” IJST Trans. Civ. Eng.*, 36(1), 111–114.
- ASTM D3625M-12. *“Standard Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water”*. ASTM International.
- ASTM D8-02. *“Standard Terminology Relating to Materials for Roads and Pavements”*. ASTM International.
- ASTM. (2009). *“Standard test method for pulse velocity through concrete.”* ASTM C597-09, West Conshohocken, PA.
- B. Birgisson, Roque, R., Tia, M. and Masad, E. *“Development and evaluation of test methods to evaluate water damage and effectiveness of anti-stripping agents,” Master Thesis*. University of Florida. 2005
- Birgisson, B., Roque, R. and Page, G. (2003). *Ultrasonic pulse wave velocity test for monitoring changes in hot-mix asphalt mixture integrity from exposure to moisture. Transportation Research Record: Journal of the Transportation Research Board*, (1832), pp.173-181
- Brown, S., 1990. *The Shell Bitumen Handbook*. Shell Bitumen U.K.
- Bukhari, dkk, 2007, *Rekayasa Bahan dan Tebal Perkerasan*, Fakultas Teknik, Universitas Syia Kuala.
- Bungey, J.H. (1996). *Testing of Concrete in Structure, 4th Edition*. University of Liverpool. England.
- D’Angelo, J., Harm, E., Bartoszek, J., et al. (2008). *Warm-mix asphalt: European practice*, FHWA-PL-08-007, Washington, DC.
- Direktorat Jenderal Bina Marga. (2016). *“Spesifikasi Khusus Interim Campuran Beraspal Hangat Bergradasi Menerus (Laston Hangat)”*. Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat

- Direktorat Jenderal Bina Marga. (2018). "Spesifikasi Umum untuk Pekerjaan Konstruksi Jalan dan Jembatan Rev. 2". Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- European Asphalt Pavement Association. (2014). "The Use of Warm Mix Asphalt". Belgium: EAPA
- Hansen, K. R., Copeland, A. (2013). *Annual asphalt pavement industry survey on recycled materials and warm-mix asphalt usage: 2009–2012*. National Center for Asphalt Technology. Information series 138. Lanham, MD
- Hurley, G., and Prowell, B. (2006). "Evaluation of potential processes for use in warm mix asphalt." *J. Assoc. Asphalt Paving Technol.*, 75, 41–85.
- Jiang, Z., Ponniah, J., Cascante, G., and Haas, R. (2011). "Nondestructive ultrasonic testing methodology for condition assessment of hot mix asphalt specimens." *Can. J. Civ. Eng.*, 38(7), 751–761.
- Kilas, M., Vaitkus, A., 7 Paliukaite, M. (2010). *Warm-Mix Asphalt Research, analysis and evaluation*
- Kiran, B., & Radhakrishnan, P. "Evaluation of Pavement Distress using Non-Destructive Testing". *Journal of Applied Science and Computations*. vol. 2, no. 78, pp. 78–85. 2020.
- Larsen, O.R., 2001. *Warm Asphalt Mix with Foam e WAMFoam*. IRF 2001 Partie B: *Thèmes Techniques*, S.00469. Kolo Veidekke, Norway
- M. W. Witzcak and M. W. Mirza, "Development of Relationships to Predict Poisson's Ratio for Paving Materials," University of Maryland, College Park, MD, Interteam Technical Report for NCHRP 1-37A, 1999
- Mallick, Rajib B., Bergendahl, J., and Pakula, M. "A Laboratory Study on CO2 Emission Reductions Through the Use of Warm Mix Asphalt . In "Transportation Research Board 88th Annual Meeting Compendium of Papers". CD-ROM. Transportation Research Board of National Academies, Washington, D.C., 2009.
- Norambuena-Contreras, J., Castro-Fresno, D., Vega-Zamanillo, A., Celaya, M., and Lombillo-Vozmediano, I. (2010). "Dynamic modulus of asphalt mixture by ultrasonic direct test." *NDT E Int.*, 43(7), 629–634.
- Perkins, S. (2009) *Synthesis of warm mix asphalt paving strategies for use in Montana highway construction*. Montana: The state of Montana, department of transportation. 212 p
- Qiu, K., Chen, H., Sun, W., Sun, L., Hong, J., and Zhao, G. (2014). "Determination of mechanical properties of cement asphalt mortar via UPV method." *J. Mater. Civ. Eng.*, 10.1061/(ASCE)MT.1943-5533.0000939, 04014009
- S.E Zoorob and Suparma L.B ,2000 "Laboratory Desain and Investigation of Proportion of Bituminous Composite Containing Waste Recycled Plastic Aggregate Replacement, CIB Symposiumon Construction and Enviroment Theory into Practice, Sao Paulo, Brazil
- Sengoz B and Isikyakar G (2008) "Analysis of styrene-butadiene-styrene polymer
- Shang, L., Wang, S., Zhang, Y., Zhang, Y., 2011. *Pyrolyzed wax from recycled crosslinked polyethylene as warm mix asphalt (WMA) additive for SBS modified asphalt*. *Construction and Building Materials* 25 (2), 886e891.

- Smith A., 2007. *Advera WMA Zeolite. WMA Technical Working Group. PQ Corporation Presentation*, Hunt Valley, USA
- SNI 03-6723-2002. “Spesifikasi Bahan Pengisi untuk Campuran Beraspal”. Badan Standardisasi Nasional.
- SNI 1969:2008. “Cara Uji Berat Jenis dan Penyerapan Air Agregat Kasar”. Badan Standardisasi Nasional.
- Sukirman, Silvia. (2003). “Perkerasan Lentur Jalan Raya”. Bandung: Institut Teknologi Nasional
- Sukirman, Silvia. (2016). “Beton Aspal Campuran Panas”. Bandung: Institut Teknologi Nasional
- Taylor, M. A., and N. P. Khosla; *Stripping of Asphalt Pavements: State of the Art, Transportation Research Record 911, Transportation Research Board, National Academy of Sciences*, Washington, D. C., 1983, pp. 150-158
- Tran Thanh, Rizk, M, Shalaby, A, “ *Cracking and Rutting Performance of Asphalt Mixes for a Balanced Mix Design: Pilot Study*” Department of Civil Engineering, University of Manitoba, 2020
- Widodo, S., & Setyaningsih, I. (2011). Penggunaan Alat Marshall Untuk Menguji Modulus Elastisitas Beton Aspal, 13–18
- Yildirim.Y (2007), “*Polymer modified asphalt binders*”, *J. Construction and Building Materials*, v21, n1, p66-72
- Zaumanis, M. (2010). *Warm mix asphalt investigation. Master of Science thesis. Kgs. Lyngby. Technical University of Denmark in cooperation with the Danish Road Institute.*