

DAFTAR PUSTAKA

- AASHTO. (1990). *“Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part I, “Specifications”, Fifteenth Edition”*. Washington D.C.
- ASTM D3625M-12. *“Standard Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water”*. ASTM International.
- Abbas AR, Ali A (2008). *“Mechanical Properties of Warm Mix Asphalt Prepared Using Foamed Asphalt Binders”*. Akron, Ohio: The University of Akron.
- American Society for Testing and Materials, (1997) ASTM Standard, Section 4, volume 04.03, The ASTM, Philadelphia
- Anderson RM, Baumgardner G, May R, Reinke G (2008). *“Engineering Properties, Emissions, and Field Performance of Warm Mix Asphalt Technology”*. National Cooperative Highway Research Program (NCHRP).
- Breck, D.W. (1974). *“Zeolit Molecular Sieves, Structure, Chemistry, and Use”*; John Wiley & Sons: New York, NY, USA,
- Barrer, R.M. (1978) *“Zeolites and Clay Minerals as Sorbents and Molecular Sieves”*. Academic Press, London.
- Barthel W, Marchand J-P, Devivere MV (2004). *“Warm Asphalt Mixes by Adding a Synthetic Zeolit”*
- Bukhari, *et al*, (2007), *“Rekayasa Bahan dan Tebal Perkerasan”*, Fakultas Teknik, Universitas Syia Kuala.
- Burak Sengoz, Giray Isikyakar (2008). *“Analysis of styrene-butadiene-styrene polymer modified bitumen using fluorescent microscopy and conventional test methods”*.
- Cui S., Blackman B.R., Kinloch A.J., Taylor A.C., (2014). *“Durability of asphalt mixtures: Effect of aggregate type and adhesion promoters, International Journal of Adhesion and Adhesives”*, 54
- Cheetham, D. (1992). *“Solid State Compound”*. London: Oxford University Press.
- D’Angelo J, *et al* (2008). *“Warm Mix Asphalt”*: European Practice. Office of International Programs, Office of Policy, Federal Highway Administration, U.S. Department of Transportation, American Association of State Highway and Transportation Officials, National Cooperative Highway Research Program.
- 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.
- Djedjen Achmad dan Kusumo Dradjad Sutjahjo (2011). "DAMPAK PENAMBAHAN POLIMER TERHADAP KARAKTERISTIK BETON ASPAL" Jurusan Teknik Sipil, Politeknik Negeri Jakarta Kampus Baru UI, Depok
- EAPA (2014). "The use of Warm Mix Asphalt". Rue de Commerce 77, 1040 Brussels, Belgium.
- Mohd Jakarni, F., Rosli, M. F., Md Yusoff, N. I., A Aziz, M. M., Muniandy, R., & Hassim, S. (2016). "AN OVERVIEW OF MOISTURE DAMAGE PERFORMANCE TESTS ON ASPHALT MIXTURES". *Jurnal Teknologi*, 78(7-2).
- Hansen, K.R., & A. Copeland (2013). 2nd "Annual Asphalt Pavement Industry Survey on Reclaimed Asphalt Pavement, Reclaimed Asphalt Shingles, and Warm-Mix Asphalt Usage: 2009–2011 (IS 138)". National Asphalt Pavement Association, Lanham, Maryland.
- Jong-Sub, Lee. (2014). "Performance Based Moisture Susceptibility Evaluation of Warm Mix Asphalt Concretes through Laboratory Tests and Digital Imaging Analyses". North Carolina: North Carolina State University.
- Katharina, M (2021). "Evaluasi Pengaruh Penggunaan Anti Stripping Agent Wetfix BXE Terhadap Tingkat Adhesi Campuran Aspal Hangat Berdasarkan Digital Image Analysis Menggunakan Software Image J". Bachelor thesis, Universitas Pelita Harapan.
- Kristyaningsih, NK (2021). "Penentuan Kadar Optimum Polimer Terhadap Tingkat Adhesi Campuran Aspal Panas Berdasarkan Digital Image analysis". Bachelor thesis, Universitas Pelita Harapan.
- Li, X.; Wang, H.; Zhang, C.; Diab, A.; You, Z (2015). "Characteristics of a surfactant produced warm mix asphalt binder and workability of the mixture". *J. Test. Eval*, 44, 2219–2230.
- Mansour Fakhri, Ali Reza Ghanizadeh, Hamed Omrani (2013). "Comparison of Fatigue Resistance of HMA and WMA Mixtures Modified by SBS". Department of Civil Engineering, K.N. Toosi, University of technology, Tehran.
- Middleton B, Forfylow B (2009). "Evaluation of Warm-Mix Asphalt Produced with Double Barrel Green Process. *Transportation Research Board*"; 14p p.
- Mohd Jakarni, F., Rosli, M. F., Md Yusoff, N. I., A Aziz, M. M., Muniandy, R., & Hassim, S. (2016). "AN OVERVIEW OF MOISTURE DAMAGE PERFORMANCE TESTS ON ASPHALT MIXTURES". *Jurnal Teknologi*, 78(7-2).

- Nazirizad. M (2015), “*Evaluation of the effects of anti-stripping agents on the performance of asphalt mixtures*”.
- Paolino Caputo, Abraham A. Abe, Valeria Loise, Michele Porto, Pietro Calandra, Ruggero Angelico, and Cesare Oliviero Rossi (2020). “*The Role of Additives in Warm Mix Asphalt Technology: An Insight into Their Mechanisms of Improving an Emerging Technology*”. CNR-ISMN, National Research Council, Institute for the Study of Nanostructured Materials, Via Salaria km 29.300, 00015 Monterotondo Stazione (RM), Italy.
- Ruhl R, Musanke U (2006), The German Bitumen Forum—Cooperation in Partnership, *The Annals of Occupational Hygiene*, Volume 50, Issue 5, Pages 441–444,
- Rubio, M.C.; Martínez, G.; Baena, L.; Moreno, F (2012). “*Warm mix asphalt: An Overview*”. *J. Clean. Prod.*
- Shu Wei Goh (2012). “*Development and improvement of warm-mix asphalt technology*”. Michigan Technological University.
- 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
- Suroso, T. (2008). Pengaruh Penambahan Plastik Ldpe. 3, 208–222.
- Sutarti, M dan Rachmawati M, (1994), Zeolit Tinjauan Literatur, Pusat Dokumentasi dan Informasi Ilmiah LIPI, Jakarta.
- Trejbal, Jan, Tereza Valentová, Václav Nežerka, Petr Semerák (2020). “*MECHANICAL AND IMAGE ANALYSIS OF ADHESION BETWEEN MINERAL AGGREGATE AND BITUMINOUS BINDER*”. Czech Technical University in Prague, Faculty of Civil Engineering, Department of Mechanics, Thákurova 7, 166 29 Prague 6, Czech Republic
- U.S. Department of Transportation Federal Highway Administration (2007). “*Warm Mix Asphalt Technologies and Research*”.
- V. Ramakrishnan (1992). “*Latex Modified Concretes and Mortars*”, Transportation Research Board, Washington DC.
- Ventura A, Jullien A, Moneron P (2007). “*Polycyclic aromatic hydrocarbons emitted from a hot-mix drum, asphalt plant: Study of the influence from*

use of recycled bitumen". Journal of Environmental Engineering and Science.

- Waltow. (2011). "*Application Guide. Physical properties of solids, liquids and gases*". Chicago, IL.
- Wang T.Q., Yang R.F., Li A.G., Chen L., Zhou B., (2016). "*Effects of sasobit and its adding process on the performance of rubber asphalt*". Chemical Engineering Transactions, 51, 181-186 DOI:10.3303/CET1651031
- Whiteoak, D, (1991). "*The Shell Bitumen Handbook*", Thomas Telford, London, UK.
- Yang, S.L.; Baek, C.; Park, H.B (2021). "*Effect of Aging and Moisture Damage on Fatigue Cracking Properties in Asphalt Mixtures*". Appl. Sci. 11, 10543.
- Yawen Liu, Naveed Ahmad, James Grenfell, Alex Apeageyi, David Large, Gordon Airey (2013). "*Assessing asphalt mixture moisture susceptibility through intrinsic adhesion, bitumen stripping and mechanical damage*" Road Materials and Pavement Design. 15 (1), pp. 131-15.
- Yildirim, Y. *et al* (2007). "*Polymer Modified Asphalt Binders. Journal of Construction and Building Materials*", Volume 21. pp 66-72.
- Young, T. J., (2007). "*Energy conservation in hot-mix asphalt production. Quality Improvement Series 126*", NAPA.
- Zahid Hossain, Edgar A. O Rear, Musharraf Zaman, Dar-Hao Chen (2011) "*Effectiveness of Advera in Warm Mix Asphalt AN OVERVIEW OF MOISTURE DAMAGE PERFORMANCE TESTS ON ASPHALT MIXTURES*"
- Zaumanis, M. (2010). *Warm mix asphalt investigation. Master of Science thesis. Kgs. Lyngby. Technical University of Denmark in cooperation with the Danish Road Institute.*