

DAFTAR PUSTAKA

- AASHTO (*American Association of State Highway and Transportation Officials*). 1998a. *Standard Specification for Transportation Materials and Methods of Sampling and Testing Part I : Spesifications. 19th edition.* Washington D.C.
- AASHTO (*American Association of State Highway and Transportation Officials*). 1998b. *Standard Specification for Transportation Materials and Methods of Sampling and Testing Part II : Tests. 19th edition.* Washington D.C.
- AASHTO T 245-97 (ASTM D 1559-76). *Resistance Plastic of Bituminous Mixtures Using Marshall Apparatus. American Society for Testing and Materials.*
- Affandi F. 2006. Hasil pemurnian Asbuton Lawele sebagai bahan pada campuran aspal untuk perkerasan jalan. *Jurnal jalan – jembatan*, Vol. 23 No. 3, hal. 6 – 28.
- Affandi F. 2008. Karakteristik bitumen Asbuton butir pada campuran beraspal panas. *Jurnal jalan – jembatan*, Vol. 25 No. 3, hal. 350 – 368.
- Affandi F. 2008. Pengaruh Asbuton semi ekstraksi pada campuran stone mastic asphalt. Bandung : Puslitbang Jalan dan Jembatan.
- Al-Hdabi A., Nageim H. A., Ruddock F., & Seton L. 2006. *Laboratory Studies to Investigate The Properties of Novel Cold-Rolled Asphalt Containing*

Cement and Waste Bottom Ash. Road Materials and Pavement Design,
Volume 15, Issue 1.

Ali N., Samang L., Tjaronge, M. W., & Ramli M. I. 2012. *Experimental study on effects of flood puddle to durability of asphaltic concrete containing Refined Butonic Asphalt. Journal of The Eastern Asia Society for Transportation Studies*, 9: 1364-1375.

ASTM D 1559-89. *Standard test method for resistance to plastic flow of bituminous mixtures using Marshall Apparatus. American Society for Testing and Materials.*

ASTM D6931 – 12, *Standard Test Method for Indirect Tensile (IDT) Strength of Bituminous Mixtures. American Society for Testing and Materials.*

Badan Pusat Statistik. 2019. Profil Provinsi Kalimantan Timur. BPS Provinsi Kalimantan Timur.

Birgisson B. et al. 2007. *Determination and prediction of crack patterns in hot mix asphalt (HMA) mixtures. Science Direct, Construction and Building Materials*: 664 -673.

Budiamin, Tjaronge M. W., Aly S. H., & Djamaruddin R. 2015. *Mechanical characteristics of hot mix cold laid containing Buton Granular Asphalt (BGA) and flux oil as wearing course. ARPN Journal of Engineering and Applied Sciences*, 10(12): 5200-5205.

Departemen Pekerjaan Umum. 2006. Buku 1. Pemanfaatan Asbuton. Umum

No:001-01/BM/2006. Direktorat Jenderal Bina Marga, Jakarta.

Departemen Perhubungan. 2005. Persyaratan teknik bandar udara. Petunjuk pelaksanaan pemeliharaan konstruksi landas pacu (*run way*), landas hubung (*taxis way*) dan landas parkir (apron) serta fasilitas penunjang bandar udara Nomor: SKEP/78/VI/2005. Direktorat Jenderal Perhubungan Udara, Jakarta.

Direktorat Jenderal Bina Marga. 2019. Profil Jalan Nasional Semester II Tahun 2019. Dirjen Bina Marga, Kementerian Pekerjaan Umum dan Perumahan Rakyat.

Dulaimi A., Nageim H. A., Ruddock F., & Seton L. 2015. *New development with cold asphalt concrete binder course mixtures containing Binary Blended Cementitious Filler (BBCF)*. *Construction and Building Materials*, 124 : 414 – 423.

Fred W. 1993. *Use of waste materials in hot mix asphalt*. ASTM STP 1193. Conshocken: ASTM

Gaus A., Tjaronge M.W., Ali N., & Djamaruddin R. 2015. *Compressive strength of Asphalt Concrete Binder Course (AC-BC) mixture using Buton Granular Asphalt (BGA)*. *Procedia Engineering, The 5th International Conference of Euro Asia Civil Engineering Forum (EACEF-5)*, 125: 657-662.

- Gul. W. A. & Guler M., 2014. *Rutting susceptibility of asphalt concrete with recycled concrete aggregate using revised Marshall procedure.* *Construction and building materials*, 55: 341 – 349.
- Hartman A. M., Gilchrist M. D., & Walsh G. 2001. *Effect of mixture compaction on indirect tensile stiffness and fatigue.* *Journal of Transportation Engineering*: 370 -378.
- Hermadi M. 2006. Pengaruh penambahan asbuton butir terhadap karakteristik beton aspal campuran panas. Bandung : Puslitbang Jalan dan Jembatan.
- Howard, Suparma L. B., & Satyarno I. 2008. Perancangan laboratorium campuran HRS-WC dengan penambahan *Buton Granular Asphalt* (BGA) sebagai bahan additive. *Forum Teknik Sipil* No. XVIII/3-September 2008: 921-933.
- Israil, Tjaronge M. W., Nur Ali, Rudy Djamaruddin. 2016. *Extraction of bitumen asbuton as asphalt emulsion in cold asphalt mix AC-WC.* *International Journal of Applied Engineering Research*, ISSN 0973-4562.
- Kementerian Pekerjaan Umum. 2010. Spesifikasi Umum Bina Marga 2010 Revisi 3. Kementerian Pekerjaan Umum Direktorat Jenderal Bina Marga, Jakarta.
- Kurniadji. 2006. Asbuton (Aspal Buton) sebagai bahan perkerasan jalan. Bandung : Puslitbang Jalan dan Jembatan.

- Li G., Yongqi Y., Metcalf J. B., Su-Seng P. 1999. *Elastic modulus prediction of asphalt concrete. Journal of material in civil engineering*; 236 - 241.
- Madi Hermadi & Sjahdanulirwan M. 2008. Usulan spesifikasi campuran beraspal panas Asbuton Lawele untuk perkerasan jalan. Bandung : Puslitbang Jalan dan Jembatan.
- Mahyuddin A., Tjaronge M. W., Ali N., & Ramli M. I. 2017. *Experimental analysis on stability and indirect tensile strength in asphalt emulsion mixture containing Buton Granular Asphalt. International Journal of Applied Engineering Research*, 12(12): 3162-3169.
- Nageim H. A., Al-Busaltan S. F., Atherton W., & Sharples G. 2012. A comparative study for improving the mecahnical properties of cold bituminous emulsion mixture with cement and waste materials. *Construction and Building Materials*, 36: 743 – 748.
- Rizal M., Tjaronge M. W., Ali N., Bahar T. 2017. *Performance of porous asphalt affected by aging process. International Journal of Civil Engineering and Technology (IJCET) Volume 8, Issue 6, June 2017.*
- Rondonuwu, F., 2013. Pengaruh sifat fisik agregat terhadap rongga dalam campuran beraspal panas. *Jurnal Sipil Statik* 1(3): 1–6.
- RSNI T-01-2005. Pengujian indeks kepipihan dan kelonjongan.
- SNI 03-1968-1990. Pengujian analisa saringan agregat kasar dan agregat halus.

SNI 03-1971-1991. Pengujian kadar air agregat halus.

SNI 03-2417-1991. Pengujian keausan agregat dengan mesin abrasi Los Angeles.

SNI 03-2439-199. Pengujian kelekatan agregat terhadap aspal.

SNI 03-2816-1992. Pengujian kadar organik pasir.

SNI 03-4428-1997. Metode pengujian agregat halus atau pasir yang mengandung bahan plastik dengan cara setara pasir.

SNI 03-4804-1998. Pengujian rongga udara dalam agregat.

SNI 03-6441-2000. Pengujian viskositas aspal minyak dengan alat brookfield termosel.

SNI 06-2432-1991. Pengujian daktalitas aspal.

SNI 06-2433-1991. Pengujian titik nyala aspal.

SNI 06-2434-1991. Pengujian titik lembek aspal.

SNI 06-2438-1991. Pengujian kelarutan aspal dalam C₂HCl₃.

SNI 06-2440-1991. Pengujian kehilangan berat aspal.

SNI 06-2441-1991. Pengujian berat jenis aspal.

SNI 06-2456-1991. Pengujian penetrasi aspal.

SNI 06-2489-1991. Metode pengujian campuran aspal dengan alat Marshall.

SNI 1969-2008 Pengujian berat jenis dan penyerapan agregat kasar.

SNI 1970-2008 Pengujian berat jenis dan penyerapan agregat halus.

- Soehartono. 2015. Teknologi aspal dan penggunaannya dalam konstruksi perkerasan jalan. Jakarta : Andi.
- Suaryana N. 2008. Penelitian pemanfaatan Asbuton butir di Kolaka Sulawesi Tenggara-Indonesia. Bandung : Puslitbang Jalan dan Jembatan.
- Sukirman S. 1992. Perkerasan lentur jalan raya. Nova, Bandung.
- Suryana A. 2003. *inventory on solid bitumen sediment using 'outcrop drilling' in southern buton region, Buton regency, province southeast sulawesi, colloquium on result activities of mineral resources inventory*. Directorate Mineral (Bandung, in Indonesian).
- Syahdanulirwan M, Nono. 2009. Nilai mekanistik beton aspal lapis permukaan terhadap pengaruh temperatur dan waktu pembebanan. Bandung : Puslitbang Jalan dan Jembatan.
- Tayfur S., Ozen H., & Aksoy A. (2005). *Investigation of rutting performance of asphalt mixtures, containing polymer modifiers*. *Construction and Building Material*: 328– 337.
- The Shell Bitumen Handbook. 2015. University of Nottingham.
- Tjaronge. M. W. & Irmawaty R. 2013. *Influence of water immersion on physical properties of porous asphalt containing liquid Asbuton as bituminous asphalt binder*. *Proceedings of 3rd International conference and Sustainable Construction Material and Technologies-SCTM*, Kyoto, Japan, M4-1 e153.

- Widajat, Djoko. 2010. Laporan akhir teknologi pemanfaatan bahan lokal dan substandar, Bandung.
- Widodo, Sri & Setiyaningsih, Ika. 2013. Modulus elastisitas dan umur perkerasan jalan beton aspal sebagai fungsi kepadatan. Eco Rekayasa.
- Yamin, Anwar. 2011. Pemanfaatan dan kinerja agregat substandar sebagai bahan kontruksi jalan, Bandung: Zipbooks.