

## DAFTAR PUSTAKA

- Alvarez, A. E., Espinosa, L. V., Caro, S., Rueda, E. J., Aguiar, J. P., dan Loria, L. G., 2018, Differences in Asphalt Binder Variability Quantified Through Traditional and Advanced Laboratory Testing. *Construction and Building Materials*, 176, 500-508.
- Asgharzadeh, S. M., Sadeghi, J., Peivast, P., dan Pedram, M., 2018, Fatigue Properties of Crum Rubber Asphalt Mixtures Used in Railways. *Construction and Building Materials*, 184, 248-257.
- Adhikari, B., dan Maiti, S., 2000, Reclamation and Recycling of Waste Rubber, *Progress in Polymer Science*, 25, 909-948.
- Bressi, S., Santos, J., Giunta, M., Pistonesi, L., dan Presti, D. L., 2018, A Comparative Life-Cycle Assessment of Asphalt Mixture for Railway Sub-Ballast Containing Alternative Materials. *Resources, Conservation and Recycling*, 137, 76-88.
- Bina Marga, 2010, Spesifikasi Umum Bidang Jalan dan Jembatan (revisi III), Direktorat Jendral Bina Marga Kementerian Pekerjaan Umum. Jakarta.
- BSN, 1991a, SNI 06-2440-1991. Metode Pengujian Kehilangan Berat Minyak dan Aspal dengan Cara A. Badan Standardisasi Nasional, Jakarta.
- BSN, 1991b, SNI 06-2432-1991. Metode Pengujian Daktilitas Bahan-Bahan Aspal. Badan Standardisasi Nasional, Jakarta.
- BSN, 1996, SNI 03-4141-1996. Metode Pengujian Gumpalan Lempung dan Butir-Butir Mudah Pecah Dalam Agregat. Badan Standardisasi Nasional, Jakarta.
- BSN, 2008a, SNI 1969:2008. Cara Uji Berat Jenis dan Penyerapan Air Agregat Kasar. Badan Standardisasi Nasional, Jakarta.
- BSN, 2008b, SNI 2417:2008. Cara Uji Keausan Agregat dengan Mesin Abrasi Los Angeles. Badan Standardisasi Nasional, Jakarta.
- BSN, 2011a, SNI 2441:2011. Cara Uji Berat Jenis Aspal Keras. Badan Standardisasi Nasional, Jakarta.
- BSN, 2011b, SNI 2432:2011. Cara Uji Penetrasi Aspal. Badan Standardisasi Nasional, Jakarta.

- BSN, 2011c, SNI 2434-2011. Cara Uji Titik Lembek Aspal dengan Alat Cincin dan Bola (Ring and Ball). Badan Standardisasi Nasional, Jakarta.
- D'Andrea, A., Loprencipe, G., dan Xhixha, E., 2012, Vibration Induced by Rail Traffic: Evaluation of Attenuation Properties in a Bituminous Sub-Ballast Layer. *Procedia - Social and Behavioral Sciences*, 53, 245-255.
- D'Angelo, G., Thom, N., dan Presti, D. L., 2016, Bitumen Stabilized Ballast: A potential Solution For Railway Track Bed. *Construction and Building Materials*, 124, 118-126.
- D'Angelo, G., Thom, N., dan Presti, D. L., 2017, Optimisation of Bitumen Emulsion Properties For Ballast Stabilisation. *Materiales De Construcción*, 67(327), 124-133.
- Farhan, A. H., Dawson, A. R., Thom, N. H., Adam, S., dan Smith, M. J., 2015, Flexural Characteristics of Rubberized Cement-Stabilized Crushed Aggregate for Pavement Structure. *Materials and Design*, 88, 897-905.
- Giunta, M., Bressi, S., dan D'Angelo, G., 2018, Life Cycle Cost Assessment of Bitumen Stabilised Ballast: A Novel Maintenance Strategy for Railway Track-bed. *Construction and Building Materials*, 172, 751-759.
- Hameed, A. S., dan Shashikala, A. P., 2016, Suitability of rubber concrete for railway sleepers. *Perspectives in Science*, 8, 32-35.
- Herminiwati., 2010, Pembuatan Ban Dalam Sepeda Motor dengan Filler Precipitated Calcium Carbonate (PCC). *Majalah Kulit, Karet, dan Plastik*, 26, 42-48.
- Kaya, M., 2004, A Study on the Stress-Strain Behavior of Railroad Ballast Materials by Use of Parallel Gradation Technique, Doctor of Philosophy thesis, School of Natural and Applied Sciences, Middle East Technical University.
- Lee, S. H., Lee, J. W., Park, D. W., dan Vo, H. V., 2014, Evaluation of Asphalt Concrete Mixture for Railway Track. *Construction and Building Materials*, 73, 13-18.
- Mino G. D., Liberto, M. D., dan Maggiore, C., 2012, A Dynamic Model of Ballasted Rail Track with Bituminous Sub-Ballast Layer. *Procedia - Social and Behavioral Sciences*, 53, 366 – 378.

- Peraturan Menteri Perhubungan No. 60 Tahun 2012 tentang Persyaratan Teknis Jalur Kereta Api.
- Rosyidi, S. A. P., 2015, *Rekayasa Jalan Kereta Api*, LP3M, Universitas Muhammadiyah Yogyakarta.
- Sánchez, M. S., Navarro, F. M., dan Gamez, C. R., 2014, The Use of Deconstructed Tires as Elastic Elements in Railway Tracks. *Materials*, 7, 5903-5919.
- Sanchez, M.S., Navarro, F. M., Gamez, C. R., dan Airey, G. D., 2015, A Study Into The Use of Crumb Rubber in Railway Ballast. *Construction and Building Materials*, 75, 19-24.
- Setiawan, D. M., Muthohar, I., dan Ghataora, G., 2013, Conventional and Unconventional Railway Track for Railways on Soft Ground in Indonesia (Case Study: Rantau Prapat - Duri Railways Development). Proceeding of The 16<sup>th</sup> FSTPT International Symposium, Universitas Muhammadiyah Surakarta, 1-3 November 2013, 610-620.
- Signes, C. H., Hernandez, P. M., Roca, J. G., del la Torre, M. E. G., dan Franco, R. I., 2016, An Evaluation of the Resilient Modulus and Permanent Deformation of Unbound Mixtures of Granular Materials and Rubber Particles from Scrap Tyres to be Used in Subballast Layers. *Transportation Research Procedia*, 18, 384 – 391.
- Soedarmo, G. D., dan Purnomo, S. J. E., 1997, *Mekanika Tanah I*, Kanisius, Yogyakarta.
- Warith, M. A., dan Rao, M. S., 2005, Compressibility Behaviour of Tire Shred Samples for Landfill Applications. *Waste Management*, 26, 268-276.