

DAFTAR PUSTAKA

- Bina Marga, 2010, Spesifikasi Umum Bidang Jalan dan Jembatan (revisi III). Direktorat Jendral Bina Marga Kementerian Pekerjaan Umum. Jakarta.
- 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.
- BSN. (1990). SNI 03-1968-1990 *Metode Pengujian Tentang Analisis Saringan Agregat Halus dan Kasar*. 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. (2008). SNI 1969-2008 *Cara Uji Berat Jenis dan Penyerapan Agregat Kasar*. Badan Standardisasi Nasional, Jakarta.
- BSN. (2008). SNI 2417:2008 *Cara Keausan Agregat dengan Mesin Abrasi Los Angeles*. Badan Standardisasi Nasional, Jakarta.
- 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. *Materiales De Construction*, 67, 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.
- Hameed, A. S., dan Shashikala, A. P. (2016). Suitability of Rubber Concrete for Railway Sleepers. *Perspectives in Science*, 8, 32-35.
- Indraratna, B., Ngo, N. T., dan Rujikiatkamjorn, C. (2017). Improved Performance of Ballasted Rail Tracks using Plastics and Rubber Inclusions. *Proceeding in Transportation Geotechnics and Geoecology*, Saint Petersburg, Rusia, 17-19 Mei 2017, 207-214.
- Indraratna, B., Nimbalkar, S., Navaratnarajah, S. K., Rujikiatkamjorn, C., dan Neville, T. (2014). Use of Shock Mats for Mitigating Degradation of Railroad Ballast. *Sri Lankan Geotechnical Journal*, 32-41.
- Lakusi, S., Ahac M., & Haladin, I. (2010). Track Stability Using Ballast Bounding Method. *Proceeding of The 10th Slovenian Road and Transportation Congress*, Portoroz, Slovenia, 20-22 Oktober 2010.

- Navaratnarajah, S. K. dan Indraratna, B. (2017). Use of Rubber Mats to Improve the Deformation and Degradation Behavior of Rail Ballast Under Cyclic Loading. *Journal of Geotechnical and Geoenvironmental Engineering*, 143(6), 1943-5606.
- Nimbalkar, S., Indraratna, B., Dash, S. K., dan Christie, D. (2012). Improved Performance of Railway Ballast Under Impact Loads Using Shock Mats. *Journal of Geotechnical and Geoenvironmental Engineering*, 138(3), 281-294.
- Peraturan Dinas Nomor 10 Tahun 1986 tentang *Peraturan Perencanaan Konstruksi Jalan Rel*. Peraturan Menteri Perhubungan Nomor 60 Tahun 2012 tentang *Persyaratan Teknis Jalur Kereta Api*.
- Rosyidi, S. A.P. (2016). *Rekayasa Jalan Kereta Api*. Yogyakarta: LP3M-UMY 2015.
- Sanchez M. S., Navaro, F. M., dan Gomez, M. C. R. (2014). The Use of Deconstructed Tires as Elastic Elements in Railway Tracks. *Materials*, 7, 5903-5919.
- Sanchez, M. S., Thom, N. H., Navaro, F. M., Gomez, M. 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.
- Sehonanda, O., Ointu, B. M., Tamboto, W. J., dan Pandaleke, R. R. (2013). Kajian Uji Laboratorium Nilai Modulus Elastisitas Bata Merah dalam Sumbangan Kekakuan Pada Struktur Sederhana. *Jurnal Sipil Statik*, 1(12), 797-800.
- Setiawan, D. M. (2016). Pembatasan Kecepatan Maksimum dan Kaitannya Terhadap Kapasitas Lintas Jalur Kereta Api Muara Enim–Lahat Sumatera Selatan. *Prosiding Seminar Nasional Teknik Sipil ke-VI 2016*. Surakarta, 25 Mei 2016, 36-46. ISSN: 2459-9727.
- Setiawan, D. M. dan Rosyidi, S. A. P. (2016). Track Quality Index As Track Quality Assessment Indicator. *Symposium XIX FSTPT*. Yogyakarta, 11-13 Oktober 2016.
- Setiawan, D. M., Muthohar, I. dan Ghataora, G. (2013). Conventional and Unconventional Railway for Rail Ways on Soft Ground in Indonesia (Case Study: Rantau Prapat-Duri Railways Development). *Proceeding of The 16th FSTPT International, Symposium*, Universitas Muhammadiyah Surakarta, 1-3 November 2013, 610-620.
- Signes, C., H., Hernandez, P. M., Roca, J. G., de la Torre, M. E., dan Franco, R. I. (2016). An Evaluation of the Resilient Modulus and Permanent Deformation of Unbound Mixture of Granular Materials and Rubber Particles from Scrap Tyres to Be Used in Subballast Layers. *Transportation Research Procedia*, 18, 384 – 3
- Soto, F. M., & Mino, G. D. (2018). Characterization of Rubberized Asphalt For Railways. *International Journal of Engineering Sciences & Research Technology*, 7(2), 284-302.
- Tjokrodumuljo, K. 1996. *Teknologi Beton*. Nafitri: Yogyakarta.

Undang-Undang Republik Indonesia Nomor 13 Tahun 1992 *tentang Perkeretaapian*.

Undang-Undang Republik Indonesia Nomor 23 Tahun 2007 *tentang Perkeretaapian*.

Woodward, P. K., El Kacimi, A., Laghrouche, O., Medero, G., dan Banimahd, M. (2012).

Application of Polyurethane Geocomposites to Help Maintain Track Geometry for High Speed Ballasted Railway Tracks. *Journal of Zhejiang University Science A*, 13 (11), 836-849.

Zakeri, J. A., dan Mosayebi, S. A. (2016). Study of ballast layer stiffness in railway tracks. *Gradevinar*, 68(4), 311-318.