DAFTAR PUSTAKA

Alvarez, A. E., Espinosa, L. V., Caro, S., Rueda, E. J., Aguiar, J. P., & 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., & Pedram, M. (2018). Fatigue Properties of Crumb Rubber Asphalt Mixtures Used in Railways. *Construction and Building Materials, 184*, 248-257.

BSN, 1990, SNI 03-1974-1990 *Metode Pengujian Kuat Tekan Beton*. Badan Standardisasi Nasional, Jakarta.

BSN, 1991, SNI 06-2440-1991 *Metode Pengujian Kehilangan Berat Minyak dan Aspal dengan Cara A*. Badan Standardisasi Nasional Jakarta.

BSN, 1991, SNI 06-2432-1991 *Metode Pengujian Daktilitas Bahan-Bahan Aspal*. Badan Standardisasi Nasional Jakarta.

BSN, 1996, SNI 03-4142-1996 *Metode Pengujian Gumpalan Lempung dan Butir-Butir Mudah Pecah dalam Agregat*. Jakarta.

BSN, 2008, SNI 1969-2008 *Cara Uji Berat Jenis dan Penyerapan Agregat Kasar*. Badan Standardisasi Nasional Jakarta.

BSN, 2008, SNI 2417:2008 *Cara Uji Keausan Agregat dengan Mesin Los Angeles*. Badan Standardisasi Nasional Jakarta.

BSN, 2011, SNI 2441-2011 *Cara Uji Berat Jenis Aspal Keras*. Badan Standardisasi Nasional Jakarta.

BSN, 2011, SNI 2432-2011 *Cara Uji Penetrasi Aspal*. Badan Standardisasi Nasional Jakarta.

BSN, 2011, 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., & 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., & Presti, D. L. (2016). Bitumen stabilized ballast: A potential solution for railwaytrack-bed. *Construction and Building Materials, 124*, 118-126.

D'Angelo, G., Presti, D. L., & Thom, N. (2017). Optimisation of Bitumen Emulsion Properties for Ballast Stabilisation. *Materiales De Construcción, 67*(327), 124-133.

Direktorat Jenderal Bina Marga, 2010, *Spesifikasi Umum Bidang Jalan dan Jembatan (revisi III)*, Kementrian Pekerjaan Umum. Jakarta

Farhan, A. H., Dawson, A. R., Thom, N. H., Adam, S., & Smith, M. J. (2015). Flexural Characteristics of Rubberized Cement-Stabilized Crushed Aggregate for Pavement Structure. *Materials & Design, 88*, 897-905.

Giunta, M., Bressi, S., & 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.

Di Mino, G., Di Liberto, M., Maggiore, C., & Noto, S. (2012). A Dynamic Model of Ballasted Rail Track with Bituminous Sub-Ballast Layer. *Procedia - Social and Behavioral Sciences, 53*, 366 – 378.

Hameed, A. S., & Shashikala, A. P. (2016). Suitability od rubber concrete for railway sleepers. *Perspectives in Science, 8*, 32-35.

Peraturan Dinas No. 10 Tahun 1986 tentang *Peraturan Perencanaan Konstruksi Jalan Rel.*

Peraturan Menteri Perhubungan No. 60 Tahun 2012 tentang *Persyaratan Teknis Jalur Kereta Api.*

Persyaratan Teknis Jalur Kereta Api. (1986). *Peraturan Perencanaan Konstruksi Jalan Rel* (Peraturan Dinas No. 10). Bandung.

Lee. S. H., Lee, J. W., Park, D. W., & Vo, H. V. (2014). Evaluation of asphalt concrete mixture for railway track. *Construction and Building Materials, 73*, 13-18.

Rosyidi, S. A. P. (2016). *Rekayasa Jalan Kereta Api.* Yogyakarta: LP3M-UMY 2015.

Sánchez, M. S., Navarro, F. M., & Gámez, M. C. R. (2014). The Use of Deconstructed Tires as Elastic Elements in Railway Tracks. *Materials, 7*, 5903-5919.

Sánchez, M.S., Thom, N. H., Navarro, F. M., Gámez, M. C. R., & 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., & 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., Muthohar, I,. & 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 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., & 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.

Wiyono, A. W. W., Setiawan, A., & Nurhidayat, N. (2012). Pengaruh Suhu terhadap Modulus Elastisitas dan Angka Poisson Beton Aspal Lapis Aus (AC-WC) dengan Kapur sebagai Filler. *Jurnal Rekayasa dan Manajemen Transportasi*, *2*(2), 105-114.