

DAFTAR PUSTAKA

- AASHTO M145 - 91, 1991. *Standard Specification for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes.* US, AASHTO.
- Abbasi, N. & Mahdieh, M., 2018. Improvement of geotechnical properties of silty sand soils using natural pozzolan and lime. *International Journal of Geo-Engineering*, 9(4), pp. 1-12.
- Akbarimehr, D. & Aflaki, E., 2018. An Experimental Study on the Effect of Tire Powder on the Geotechnical Properties of Clay Soils. *Civil Engineering Journal*, 4(3), pp. 594-601.
- Al Firdaus, N. A. & Marzuko, A., 2018. *Pengaruh Stabilisasi Tanah Lempung Menggunakan Magnesium Carbonate dan Semen Terhadap Nilai CBR dan Potensi Pengembangan*, Yogyakarta: s.n.
- Alamdar, A. S. & Dabiri, R., 2017. Effect of The Fibers Type on Improving the Bearing Capacity of Clayey Soils. *International Journal on Technical and Physical Problems of Engineering (IJTPE)*, 9(30), pp. 43-50.
- Andriawati, 2015. Efektifitas Kegiatan Pengerukan Sedimen Waduk Wonogiri Ditinjau dari Nilai Ekonomi. *Jurnal Teknik Pengairan*, 6(1), pp. 55-65.
- Anon., 1980. *PP no 27 tahun 1980 ttg Pengelolaan Bahan-bahan Galian*. Jakarta: Menteri/Sekertaris Negara R.I.
- Anonim, 2018. *Laporan Pelaksanaan Penyelidikan Sedimentasi Waduk PLTA Banjarnegara*, Banjarnegara, Indonesia: Laporan Tahunan.
- Anvari, S. M., Shooshpasha, I. & Kutanaei, S. S., 2017. Effect of granulated rubber on shear strength of fine-grained sand. *Journal of Rock Mechanics and Geotechnical Engineering*, 9(5), pp. 936-944.
- Asmoro, A. T., 2015. *Analisis Volume Sedimen Waduk Wonogiri di Muara Sungai Keduang*, Surakarta: Thesis.
- Asrib, A., 2011. Dampak Longsoran Kaldera Terhadap Tingkat Sedimentasi Di Waduk Bili-Bili Provinsi Sulawesi Selatan. *Jurnal Hidrolitan*, 2(3), pp. 135-146.

- Assadollahi, A., Harris, B. & Crocker, J., 2016. *Effects of Shredded Rubber Tires as a Fill Material on the Engineering Properties of Local Memphis Loess*. Chicago, Illinois, ASCE.
- ASTM-C-618-92a, 1998. *Standard Specification of Pozzolan*. United States: ASTM.
- B.V. Venkatarama Reddy, K. J., 1993. The Static Compaction of Soils. *Geotechnique*, pp. 337-341.
- Bahadori, H., Hasheminezhad, A. & Taghizadeh, F., 2019. Experimental Study on Marl Soil Stabilization Using Natural Pozzolans. *J. Mater. Civ. Eng*, 31(2), pp. (04018363)1-10.
- Bayat, O., Askarani , K. K. & Hajiannia, A., 2019. Effects of Waste Tire on the Shear Strength of Sand. *International Journal of Structural and Civil Engineering Research*, 8(4), pp. 384-389.
- Bina Marga, K. P., 2018. Manual Desain Perkerasan 2018. In: Jakarta: Kementerian PUPR.
- Bin-Shafique, S., Gupta, S. D., Huang, J. & Rezaeimalek, S., 2017. *The Effect of Fiber Type and Size on the Strength and Ductility of Fly Ash and Fiber Stabilized Fine-Grained Soil Subbase*. Orlando, Florida, American Society of Civil Engineers (ASCE).
- Binu Sharma, A. D., 2016. *Static Compaction Test and Determination of Equivalent Static Pressure*. India, s.n., pp. 1-4.
- Bowers, B. F., Daniels, J. L., Lei, S. & DeBlasis, N. J., 2013. Additives for soil-cement stabilization. *Geotechnical practice publication*, Volume 8, pp. 68-75.
- Bowles, J., 1989. *Sifat-sifat Fisis dan Geoteknis Tanah*. 1 ed. Jakarta: Erlangga.
- Cui, Y. J. & Delage, P., 1996. Yielding and Plastic Behaviour of an Unsaturated Compacted Silt. *Geotechnique*, pp. 291-311.
- Darwis, 2017. *Dasar-dasar Teknik Perbaikan Tanah*. 1 ed. Yogyakarta: Pustaka AQ.
- Das, B. M., 1995. *Mekanika Tanah (Prinsip-prinsip Rekayasa Geoteknis)*. 1 ed. Jakarta: Penerbit Erlangga.

- Das, B. M., 2012. *Principles of Geotechnical Engineering 8th Edition.* Stamford: Cengage Learning.
- Dhani, N., 2020. *Studi Eksperimental Kapasitas Dukung Tanah Lunak Stabilisasi Overboulder Asbuton Sebagai Lapisan Sub - Base,* Makassar: Disertasi.
- Feiz, R. et al., 2015. Improving the CO₂ performance of cement, part I: Utilizing life-cycle assessment and key performance indicators to assess development within the cement industry. *Journal of Cleaner Production*, 98(4), pp. 272-281.
- Firoozi, A. A., Olgun, C. & Beghini, M., 2017. Fundamentals of Soil Stabilization. *International Journal of Geo-Engineering*, 26(8), pp. 1-16.
- Feeose, G. J., Benson, C. H. & Bosscher, P. J., 1996. Sand Reinforced With Shredded Waste Tires. *Journal of Geotechnical Engineering*, September, 122(9), pp. 760-767.
- Gardete, D., Luzia, R., Carronda, S. & Simão, A., 2019. *Analysis of the Bearing Capacity of a Clayey Sand Stabilized with Waste Tire Fibers.* Chicago, Illinois, Transportation & Development Institute of ASCE.
- Hardiyatmo, H., 2010. *Stabilisasi Tanah untuk Perkerasan Jalan.* 1 ed. Yoyakarta: Gadjah Mada University Press.
- Harianto, T., 2008. Investigation on Desiccation Crack Behavior of Soil-Fiber Mixtures. In: *Ph.D Thesis.* Saga, Japan: s.n.
- Harianto, T., Hayashi, S., Du, Y.-J. & Suetsugu, D., 2008 . Effects of Fiber Additives on the Desiccation Crack Behavior of the Compacted Akaboku Soil as A Material for Landfill Cover Barrier. *Water, Air, & Soil Pollution* , Issue 194, p. 141–149.
- Harianto, T., Marfu'ah, N. & Rauf, I., 2020. *Experimental Study of Natural Materials Utilization as a Stabilization Agent on Soft Soil.* Makassar, IOP Publisher.
- Harichane , K., Ghrici , M., Kenai , S. & Grine, K., 2011. Use of Natural Pozzolana and Lime for Stabilization of Cohesive Soils. *Geotech Geol Eng*, Volume 29, pp. 759-769.

- Hejazi, S., Sheikhzadeh, M., Abtahi, S. & Zadhoush, A., 2012. A simple review of soil reinforcement by using natural and synthetic fibers. *Construction and Building Materials*, Volume 30, pp. 100-116.
- Hendarsin, S., 2000. *Perencanaan Teknik Jalan Raya*. 1 ed. Bandung: Politeknik Negeri Bandung.
- Huang, Y. et al., 2010. *Experimental Study on Dredged Material Improvement for Highway Subgrade soil*. Shanghai-China, GeoShanghai 2010 International Conference., ASCE, pp. 335-340.
- Irmawaty, R. & Muhammin, A. A., 2015. *Studi Perilaku Mekanik Beton Crumb Rubber*. Makassar: s.n.
- Ismail, J., 2017. *Durabilitas Campuran Asphalt Concrete Wearing Course (AC-WC) Menggunakan Tras Lompoto'o*, Gorontalo: Skripsi.
- Jamsawang, P. et al., 2020. Mechanical and microstructural properties of dredged sediments treated with cement and fly ash for use as road materials. *Road Materials and Pavement Design*, pp. 1-25.
- Jan, O. Q. & Mir, B. A., 2018. Strength Behaviour of Cement Stabilised Dredged Soil. *International Journal of Geosynthetics and Ground Engineering*, 4(16), pp. 1-14.
- Kalkan, E., Yarbasi, N. & Bilici, Ö., 2019. Strength performance of stabilized clayey soils with quartzite material. *International Journal of Earth Sciences Knowledge and Applications*, 1(1), pp. 1-5.
- Kang, X., Kang, G., Chang, K. & Ge, L., 2014. Chemically Stabilized Soft Clays for Road-Base Construction. *J. Mater. Civ. Eng*, pp. 1-9.
- Kapantow, G. M., Balamba, S. & Sarayar, A. N., 2018. Korelasi Antara Tegangan Geser dan Nilai CBR pada Tanah Lempung dengan Bahan Campuran Tras. *Jurnal Tekno*, 16(69), pp. 1-5.
- Khajeha, A., Abasib, H. M. & Semsani, S. N., 2019. Tensile strength parameters Controlling of zeolite-cemented sands.. *Scientia Iranica A*, 26(1), pp. 213-223.
- Kironoto, B. A., 2010. *Pengelolaan Sedimentasi Waduk dalam Konteks Pembangunan Sumberdaya Air Berkelanjutan*, Yogyakarta: Pidato pengukuhan Guru Besar Tek. Sipil UGM.

- Kliche, C. A., 1999. *Rock Slope Stability*. Colorado: Society for Mining, Metallurgy, and Exploration.
- Kumar, A. & Gupta, D., 2015. Behavior of Cement-Stabilized Fiber-Reinforced Pond Ash, Rice Husk Ashesoil Mixtures.. *Geotextiles and Geomembranes*, pp. 1-9.
- Kumar, G. R. & Gayathri, K., 2018. Performance Evaluation of Crumb Rubber powder as SOil Stabilizer. *IJCRT*, 6(2), pp. 295-299.
- Lee, J. H., Salgado, R., Bernal, A. & Lovell, C. W., 1990. Shredded Tires and Rubber-Sand as Lightweight Backfill. *Journal of Geotechnical and Geoenvironmental Engineering*, , 125(2), pp. 132-141.
- Liu, L. et al., 2020. Evaluation of engineering properties and environmental effect of recycled waste tire-sand/soil in geotechnical engineering: A compressive review. *Renewable and Sustainable Energy Reviews*, Volume 126, pp. 1-21.
- Li, W. et al., 2018. Rate and Distribution of Sedimentation in the Three Gorges Reservoir, Upper Yangtze River. *J. Hydraul. Eng.*, 144(8), p. 14.
- Marhendi, T., 2018. Analisa Perubahan Volume Sedimentasi Waduk Pangsar Soedirman Menggunakan Karakteristik Curah Hujan Berbasis Universal Soil Loss Equation (USLE). *Jurnal Teknik*, 39(2), pp. 120-125.
- Mehta, P. K. & Monteiro, P. J. M., 2014. *Concrete: Microstructure, Properties, and Materials*. 4th ed. New York: McGraw-Hill Education.
- Mulyanto, H. R., 2008. *Efek Konservasi dari Sistim Sabo untuk Pengendalian Sedimentasi Waduk*. 1 ed. Yogyakarta, Indonesia: Graha Ilmu.
- Munasir, Triwikantoro, Zainuri, M. & Darminto, 2012. Uji XRD dan XRF pada Bahan Meneral (Batuan dan Pasir) Sebagai Sumber Material Cerdas (CaCO₃ dan SiO₂). *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)*, 2(1), pp. 20-29.
- Muntohar, A., Widianti, A., Hartono, E. & Diana, W., 2013. Engineering Properties of Silty Soil Stabilized with Lime and Rice Husk Ash and Reinforced with Waste Plastic Fibers. *J. Mater. Civ. Eng.*, 25(5), pp. 1260-1270.

- Murthy, G., Siva Kavya, K., Krishna, A. V. & Ganesh, B., 2016. Chemical Stabilization of Sub-Grade Soil With Gypsum and NaCl. *IJAET*, 9(5), pp. 569-581.
- Mustafa, N., Sapuan, S. M., Razali, N. & Jawaid, M., 2018. *Recycling of waste rubber as fillers: A review*. s.l., IOP Conf. Ser.: Mater. Sci. Eng..
- Naval, S. & Kumar, A., 2016. *Plate Load Tests on Granular Soils Reinforced with Waste Tire Fibers*. Chicago, Illinois, Geo-Institute - ASCE.
- Nguyen, T. T. M. et al., 2018. Stabilization of Silty Clayey Dredged Material. *Journal of Materials in Civil Engineering*, 30(9), pp. 1-11.
- Nurchasanah, Y., 2011. *Karakteristik dan Peran Tanah Tulakan Sebagai Pozolan Alam dalam Upaya Menggantikan Semen Sebagai Bahan Konstruksi*. Medan, Prosiding Seminar Nasional-1 BMPTTSSI – Konteks-5.
- Oliveira, P. V., Correia, A. & Cajada, J., 2018. Effect of the Type of Soil on the Cyclic Behaviour of Chemically Stabilised Soils Unreinforced and Reinforced with Polypropylene Fibres. *Soil Dynamics and Earthquake Engineering*, 115(6), pp. 336-344.
- Palar, H., 2013. Pengaruh Pencampuran Tras dan Kapur pada Lempung Ekspansif Terhadap Nilai Daya Dukung. *Jurnal Sipil Statik*, 1(6), pp. 390-399.
- Parapaga, R., Sarajar, A. & Legrans, R., 2018. Pengaruh Penambahan Zeolite Terhadap Kuat Geser pada Tanah Berlempung. *Jurnal Sipil Statik*, 6(7), pp. 501-510.
- Park, J., Son, Y., Noh, S. & Bong, T., 2016. The Suitability Evaluation of Dredged Soil From Reservoirs as Embankment Material. *Journal of Environmental Management*, 183(3), pp. 443-452.
- Pattanapanchai, M., Shah, F. & Annandale, G., 2002. *Sediment Management in Flood Control*. Long Beach, CA, American Agricultural Economics Association Annual Meeting.
- Peddaiah, S. & Suresh, K., 2017. Experimental Study on Effect of Gypsum and NaCl in Improvement of Engineering Properties of Clayey Soil. *IJET*, 9(4), pp. 2771-2779.

- Pemerintah Indonesia, 1997. Kepmenperindag No. 231/MPP/Kep/7/97. In: *Prosedur Impor Limbah Menteri Perindustrian dan Perdagangan Republik Indonesia*. Jakarta: s.n.
- Poorahong, H. et al., 2020. Unconfined Compressive and Splitting Tensile Strength of Dredged Sediments Stabilized with Cement and Fly Ash. *Key Engineering Materials*, Volume 856, pp. 367-375.
- Rajabi, A. M. & Ardakani, S. B., 2020. Effects of Natural-Zeolite Additive on Mechanical and Physicochemical Properties of Clayey Soils. *J. Mater. Civ. Eng*, 32(10), pp. 1-12.
- Rauf, I., 2020. *Model Defleksi Dinding Turap dengan Rimbunan Geokomposit Ringan Tanah - EPS Stabilisasi Limbah Aspal Buton*, Makassar: Disertasi.
- Rochman, M. L. & Setiyo, M., 2019. Mini Review: Potensi Limbah Ban Menjadi Bahan dan Produk yang Berguna. *Jurnal Teknik Mesin*, 9(1), pp. 28-34.
- Sadeeq, J. A. & Salahudeen, A. B., 2016. *Use of Dam Sediment as Sub-Base Material For Medium Traffic Flexible Pavement Construction*. Zaria, Nigeria, The Fourth International Conference on Engineering and Technology Research.
- Samala, H. R. & Mir, B. A., 2020. Some studies on microstructural behaviour and unconfined compressive strength of soft soil treated with SiO₂ nanoparticles. *Innovative Infrastructure Solutions*, 5(34), pp. 1-12.
- Samang, L., 2010. *Utilization Investigation of Dredging Sediment of Bili-Bili Reservoir for*, Makassar: Soil Mechanic Laboratoy, Dept.of Civil Engineering, Hasanuddin.
- Sani, J., Yohanna, P. & Chukwujam, I., 2018. Effect of Rice Husk Ash Admixed with Treated Sisal Fibre on Properties of Lateritic Soil as A Road Construction Material. *Journal of King Saud University – Engineering Sciences*, 30(4), pp. 1-9.
- Schleiss, A. J., Franca, M. J., Juez, C. & Cesare, G. D., 2016. Reservoir sedimentation. *Journal of Hydraulic Research*, pp. 1-20.

- Selvam, V. S. et al., 2016. Minimisation of Subgrade Thickness Using Natural and Synthetic Additives in Roads. *IOSR Journal of Mechanical and Civil Engineering*, 13(5), pp. 66-72.
- Shahin, M. A. & Hong, L. S., 2010. *Utilization of Shredded Rubber Tires for Cement Stabilized Soft Clay*. Shanghai, Geo-Institute - ASCE.
- Soewarno, 1991. *Hidrologi Pengukuran dan Pengolahan Data Aliran Sungai (Hidrometri)*. 1 ed. Bandung: Nova.
- Sudhakaran, S. P., Sharma, A. K. & Kolathayar, S., 2018. Soil Stabilization Using Bottom Ash and Areca Fiber: Experimental Investigations and Reliability Analysis. *J. Mater. Civ. Eng*, 30(8), pp. 1-9.
- Sukmawaty, D., 2018. Analisis Deformasi Tanah Lunak Terhadap Perkuatan Geogrid Menggunakan Metode Elemen Hingga. *Siimo Egineering* , 2(1), pp. 1-8.
- Syarif, E. & Putri, N., 2017. *In-Situ Stabilisasi dan Daur Ulang Jalan, Sebuah Konstruksi Menuju Ramah Lingkungan..* Padang - Sumatera Barat, 4th ACE Conference.
- Tafti, M. F. & Emadi, M. Z., 2016. Impact of Using Recycled Tire Fibers on the Mechanical Properties of Clayey and Sandy Soils. *Electronic Journal of Geotechnical Engineering*, 21(20), pp. 7113-7125.
- Tang, C. S. et al., 2016. Tensile Strength of Fiber-Reinforced Soil. *J. Mater. Civ. Eng.*, 45(2), pp. 1-12.
- Tangkeallo, M., Samang, L., Djamaruddin, A. & Muhiddin., A., 2019. *Pengaruh Waktu Pemeraman dan Gradasi Zeolit Terhadap Kuat Tekan Bebas Tanah Laterit Stabilisasi Zeolit Aktivasi Waterglass*. Surakarta, s.n., pp. 83-89.
- Tiwari, B. et al., 2012. *Soil Modification with Shredded Rubber Tires*. Oakland, California, Geo-Institute - ASCE.
- Tiwari, B. et al., 2014. *Improving Geotechnical Behavior of Clayey Soils with Shredded Rubber Tires Preliminary Study*. Atlanta, Georgia, ASCE.
- Wiqoyah, Q., 2007. Pengaruh Tras Terhadap Parameter Kuat Geser Tanah Lempung. *Dinamika Teknik Sipil*, 7(2), pp. 147-153.
- Wirasadewa, Y., 2017. Identifikasi Limbah Serbuk Industri Ban.. *Journal of Chemistry*, 6(3), pp. 127-130.

- Yadav, J. & Tiwari, S., 2017. Assessment of Geotechnical Properties of Uncemented/Cemented Clayey Soil Incorporated With Waste Crumb Rubber. *Journal Of Materials And Engineering Structures*, 4(1), pp. 37-50.
- Yusuf, H., Nursamiah & Hasriana, 2016. Characpteristics of Soil Test Sediment Stabilized with Portland Cement and Fly Ash. *ARPJN Journal of Engineering and Applied Sciences*, 11(7), pp. 4556-4564.
- Yusuf, H., Pallu, M. S., Samang, L. & Tjaronge, M., 2012. The Utilization of Bili-bili Dam's Dredging Sediment Stabilized with Cement for Construction Material. *International Journal of Engineering and Technology*, 2(11), pp. 2881-2885.
- Zheng, A., Liu, F. & Chen, J., 2014. Study on Consolidation Test for Fresh Soft Dredger Fill. *Applied Mechanics and Materials*, 501-504(1), pp. 71-74.