

DAFTAR PUSTAKA

- Alexiou, A., Zachos, D., Alamanis, N., Chouliaras, I., & Papageorgiou, G. (2020). Construction Cost Analysis of Retaining Walls. *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249, 8958, 1909–1914.
- Alsirawan, R., & Alnmr, A. (2023). Dynamic behavior of gravity segmental retaining walls. *Pollack Periodica*, 18(1), 94–99. <https://doi.org/10.1556/606.2022.00722>
- Armaghani, D. J., Mirzaei, F., Shariati, M., Trung, N. T., Shariati, M., & Trnavac, D. (2020). Hybrid ANN-based techniques in predicting cohesion of sandy-soil combined with fiber. *Geomech. Eng*, 20(3), 191–205.
- Arya, C. (2022). *Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Designs to Eurocodes*. CRC Press.
- BNPB. (2023, Januari). Geoportal Data Bencana Indonesia. <https://gis.bnpb.go.id/>.
- Brooks, H., & Nielsen, J. P. (2013). *Basics of Retaining Wall Design Basics of Retaining Wall Design (10 th)*. since 1992. www.hbap.com
- Butterfield, R., & Marchi, M. (2017a). On the displacement of a traditional retaining wall when first loaded. *Soils and Foundations*, 57(6), 1083–1087. <https://doi.org/10.1016/j.sandf.2017.08.032>
- Butterfield, R., & Marchi, M. (2017b). On the displacement of a traditional retaining wall when first loaded. *Soils and Foundations*, 57(6), 1083–1087. <https://doi.org/10.1016/j.sandf.2017.08.032>
- Cao, W., Liu, T., & Xu, Z. (2019). Calculation of passive earth pressure using the simplified principal stress trajectory method on rigid retaining walls. *Computers and Geotechnics*, 109, 108–116.
- Carlà, T., Macciotta, R., Hendry, M., Martin, D., Edwards, T., Evans, T., Farina, P., Intrieri, E., & Casagli, N. (2018). Displacement of a landslide retaining wall and application of an enhanced failure forecasting approach. *Landslides*, 15, 489–505.
- Chavan, S. M. (2017). Behaviour of retaining wall in black cotton. *International Research Journal of Engineering and Technology (IRJET)*, 4(7), 780–784. <https://irjet.net/archives/V4/i7/IRJET-V4I7195.pdf>
- Chen, F., Lin, Y., & Li, D. (2019). Solution to active earth pressure of narrow cohesionless backfill against rigid retaining walls under translation mode. *Soils and Foundations*, 59(1), 151–161.
- Chen, F., Lin, Y., Yang, J., & Huang, M. (2021). Passive earth pressure of narrow cohesionless backfill against rigid retaining walls rotating about the base. *International Journal of Geomechanics*, 21(1), 06020036.
- Chowdhury, S. S. (2019). A study on lateral earth pressure against strutted retaining wall in cohesionless soil deposit. *International Journal of Geotechnical Engineering*, 13(2), 122–138.

- Christady Hardiyatmo, H. (2002). *Mekanika Tanah* 1. 1. <https://doi.org/10.1017/CBO9781107415324.004>
- Clayton, C. R. I., Woods, R. I. ;, Bond, A. J. ;, & Milititsky, J. (1946). Earth pressure and resistance. Dalam Taylor and Francis Group (Ed.), *J.I.C.E.* (third, Vol. 25). A Spon Pres Book.
- Collin, J. G., Meyers, M. S., & Berg, R. R. (2007). *State-of-the-Practice Design of Segmental Retaining Walls: NCMA.s Third Edition Manual*. 1–15. [https://doi.org/10.1061/40909\(228\)7](https://doi.org/10.1061/40909(228)7)
- Das, B. M. (2016). *Principles of Foundation Engineering* (H. Gowans, Ed.; 8 ed.). Global Engineering, Timothy L. Anderson. www.cengage.com/highered
- Das, B. M. (2021a). *Principles of geotechnical engineering*. Cengage learning.
- Das, B. M. (2021b). *Principles of geotechnical engineering*. Cengage learning.
- Das, B. M., & Sobhan, K. (2018). *Principles of Geotechnical Engineering*. Dalam *Principles of Geotechnical Engineering* (Nomor 9). Cengage Learning.
- Dhamdhare, D. R., Rathi, V. R., & Kolase, P. K. (2018). Design and analysis of retaining wall. *International Journal of Management, Technology and Engineering*, 8(9), 1246–1263.
- Eddine, B. S., & Mekki, M. (2021). The Effect of the Modular Block Type on Segmental Walls in Soil Reinforced by Geogrid. *Geotechnical and Geological Engineering*, 39(5), 3973–3980. <https://doi.org/10.1007/s10706-021-01694-2>
- Fang, W., Shen, H., Li, W., & Wang, Y. (2023). Rankine Active Earth Pressure of Unsaturated Filling under Earthquake. *Applied Sciences*, 13(3), 1398.
- Fathipour, H., Siahmazgi, A. S., Payan, M., & Chenari, R. J. (2020). Evaluation of the lateral earth pressure in unsaturated soils with finite element limit analysis using second-order cone programming. *Computers and Geotechnics*, 125, 103587.
- Feng-wen, L. A. I., Song-yu, L. I. U., Da-yu, Y., Yue-hong, C., & Qin-jian, F. A. N. (2022). Generalized solution to active earth pressure exerted onto retaining wall with narrow backfills. *Chinese Journal of Geotechnical Engineering*, 44(3), 483–491.
- Geoguide1. (2017). *Guide to Retaining Wall Design* Guide to Retaining Wall Design (P. L. R. Pang, Ed.; 17 ed.). Geotechnical Engineering Office, Civil Engineering and Development Department, Civil Engineering Building, 101 Princess Margaret Road, Homantin, Kowloon, Hongkong.
- Ghaleini, E. N., Koopialipoor, M., Momenzadeh, M., Sarafraz, M. E., Mohamad, E. T., & Gordan, B. (2019). A combination of artificial bee colony and neural network for approximating the safety factor of retaining walls. *Engineering with Computers*, 35, 647–658.
- Haddad, A., & Shafabakhsh, G. (2008). Failure of segmental retaining walls due to the insufficiency of backfill permeability. *Geosynthetics in Civil and Environmental Engineering - Geosynthetics Asia 2008: Proceedings of the 4th Asian Regional Conference on Geosynthetics*, July, 852–856. <https://doi.org/10.1007/978-3-540-69313-0>

- Hakam, A., Yuliet, R., & Donal, R. (2018). Studi Pengaruh Penambahan Tanah Lempung Pada Tanah Pasir Pantai Terhadap Kekuatan Geser Tanah. *Jurnal Rekayasa Sipil (JRS-Unand)*, 6(1), 11. <https://doi.org/10.25077/jrs.6.1.11-22.2010>
- Hamderi, M. (2021). Finite Element–Based Coefficient of Lateral Earth Pressure for Cohesionless Soil. *International Journal of Geomechanics*, 21(5), 04021045.
- He, Z., Liu, Z., Liu, X., & Bian, H. (2020a). Improved method for determining active earth pressure considering arching effect and actual slip surface. *Journal of Central South University*, 27(7), 2032–2042.
- He, Z. ming, Liu, Z. fu, Liu, X. hong, & Bian, H. bing. (2020b). Improved method for determining active earth pressure considering arching effect and actual slip surface. *Journal of Central South University*, 27(7), 2032–2042. <https://doi.org/10.1007/s11771-020-4428-5>
- Highland, L. M., & Bobrowsky, P. (2020). *The Landslide Handbook— A Guide to Understanding Landslides*. <https://pubs.usgs.gov/circ/1325/pdf/Sections/Section1.pdf>.
- Hou, G., & Shu, S. (2019a). Trial wedge approach to determine lateral earth pressures. *International Journal of Geomechanics*, 19(1), 06018035.
- Hou, G., & Shu, S. (2019b). Trial wedge approach to determine lateral earth pressures. *International Journal of Geomechanics*, 19(1), 06018035.
- Indonesian National Standardization Agency. (2017). SNI 8460:2017 on Geotechnical Design Requirement.
- Iskander, M., Ph, D., Asce, F., Omidvar, M., Asce, S. M., Elsherif, O., & Ph, D. (2013). Conjugate Stress Approach for Rankine Seismic Active Earth Pressure in Cohesionless Soils. July, 1205–1210. [https://doi.org/10.1061/\(ASCE\)GT.1943-5606.0000830](https://doi.org/10.1061/(ASCE)GT.1943-5606.0000830).
- Jia, X., Xu, J., & Sun, Y. (2018). Deformation Analysis of Reinforced Retaining Wall Using Separate Finite Element. *Discrete Dynamics in Nature and Society*, 2018. <https://doi.org/10.1155/2018/6946492>
- Johnson, C., Affolter, M. D., Inkenbrandt, P., & Mosher, C. (2017). *An Introduction to Geology*. <https://opengeology.org/textbook/>.
- Khan, M. A., & Sadique, M. R. (2019). Stability of Retaining Wall Subjected to Hydrostatic Loading. *Water Resources Management (WRM2019)*.
- Koopialipoor, M., Murlidhar, B. R., Hedayat, A., Armaghani, D. J., Gordan, B., & Mohamad, E. T. (2020). The use of new intelligent techniques in designing retaining walls. *Engineering with Computers*, 36, 283–294.
- Lai, F., Yang, D., Liu, S., Zhang, H., & Cheng, Y. (2022). Towards an improved analytical framework to estimate active earth pressure in narrow $c-\phi$ soils behind rotating walls about the base. *Computers and Geotechnics*, 141, 104544.
- Li, Y.-C., Wei, L., John Cleall, P., & Lan, J.-W. (2018). Rankine theory-based approach for stability analysis of slurry trenches. *International Journal of Geomechanics*, 18(11), 06018029.

- Ma, Q., Fu, H., Xiao, H., & Zhong, C. (2021). A simplified method for calculating vertical earth pressure on rigid load shedding culvert crown underneath the embankment. *Arabian Journal for Science and Engineering*, 46(11), 11101–11112.
- Masaba, S., Mungai, D. N., Isabirye, M., & Nsubuga, H. (2017). International Journal of Disaster Risk Reduction Implementation of landslide disaster risk reduction policy in Uganda. *International Journal of Disaster Risk Reduction*, 24(February), 326–331. <https://doi.org/10.1016/j.ijdr.2017.01.019>
- Masoud, T., Alsharie, H., Salem, Z. A., Yahia, Y. I. O., & Suliman, M. O. (2018). Optimization of shape design for gravity retaining walls. *Int J Innov Sci Mod Eng*, 5.
- Mazni, D. I., Hakam, A., Tanjung, J., & Ismail, F. A. (2023). Failure Plane on Precast Block Retaining Wall. *Civil And Environmental Engineering Reports*, 19(1), 86–94.
- Mazni, D. I., Hakam, A., Tanjung, J., Yossyafra, Y., & Ismail, F. A. (2018). Dinding Penahan Tanah Segmental. 5Th ACE Conference, November, 56–65.
- Mengyi, Z., Qiang, X. I. E., Jingwen, K., Zhaoyang, L. I., & Yongchun, G. U. O. (2018). Passive earth pressure of cohesive soil under nonlimit state against flexible retaining structure. *工程地质学报*, 26(4), 898–904.
- Ming-hui, Y., Xia-bin, D. A. I., Ming-hua, Z., & Hong, L. U. O. (2016). Experimental study on active earth pressure of cohesionless soil with limited width behind retaining wall. *Chinese Journal of Geotechnical Engineering*, 38(1), 131–137.
- Minghui, Y., Zhiyong, W., & Minghua, Z. (2020). Soil arch effect analysis and earth pressure calculating method for finite width soil behind retaining wall. *Journal of Hunan University Natural Sciences*, 47(3).
- Mirmoazen, S. M., Lajevardi, S. H., Mirhosseini, S. M., Payan, M., & Chenari, R. J. (2021). Active lateral earth pressure of geosynthetic-reinforced retaining walls with inherently anisotropic frictional backfills subjected to strip footing loading. *Computers and Geotechnics*, 137, 104302.
- Mirmoradi, S. H., & Ehrlich, M. (2018). Experimental evaluation of the effect of compaction near facing on the behavior of GRS walls. *Geotextiles and Geomembranes*, 46(5), 566–574. <https://doi.org/10.1016/j.geotexmem.2018.04.010>
- Moch. Sholeh; Yunaefi. (t.t.). Penggunaan Blok Beton Segmental *Prokon Jurnal Teknik Sipil*, 10(2), 120–126.
- NCMA. (2012). Design Manual for Segmental Retaining Wall (R. D. Thomas, J. J. Thompson, D. W. Graber, N. A. Cotton, G. Mariscal, N. Lang, & G. R. Sturgeon, Ed.; 5th ed.). NCMA Publication Number TR 127B. <https://ncma.org/wp-content/uploads/2022/05/NCMA-SRW-Manual-FINAL.pdf>
- NCMA. (2016). Segmental Retaining Walls Best Practices Guide (1 ed.). NCMA Publication Number: TR308.
- Nimbalkar, Pain, Ahmad, & Chen. (2019). Stability Assessment of Earth Retaining Structures under Static and Seismic Conditions. *Infrastructures*, 4(2), 15. <https://doi.org/10.3390/infrastructures4020015>

- Nugroho, S. P. (2016). Evaluasi Penanggulangan Bencana 2015 dan Prediksi Bencana 2016. 41.
- Patel, S., & Deb, K. (2020a). Study of active earth pressure behind a vertical retaining wall subjected to rotation about the base. *International Journal of Geomechanics*, 20(4), 04020028.
- Patel, S., & Deb, K. (2020b). Study of active earth pressure behind a vertical retaining wall subjected to rotation about the base. *International Journal of Geomechanics*, 20(4), 04020028.
- Peng, J., & Zhu, Y. (2019). Simplified method for calculating active earth pressure against rigid retaining walls for cohesive backfill. *Soil Mechanics and Foundation Engineering*, 55, 374–379.
- Powrie, W. (2018). *Soil mechanics: concepts and applications*.
- Pramanik, R., Mukherjee, S., & Sivakumar Babu, G. L. (2022). Deterministic and probabilistic prediction of maximum wall facing displacement of geosynthetic-reinforced soil segmental walls using multivariate adaptive regression splines Author links open overlay Show less Add to Mendeley Share Cite. *Transportation Geotechnics*, 36(1). <https://doi.org/10.1016/j.trgeo.2022.100816>Get
- Purwanto, Y. (2012). Perbandingan Penanganan Longsoran dengan Metode Retaining Wall dan Segmental Blok Ditinjau dari Efektifitas Waktu dan Biaya pada Ruas Jalan Sangatta-Simpang Perda. <http://ejurnal.untag-smd.ac.id>, 1(1), 783–787.
- Ramdhani, M., Surjandari, N. S., & Purwana, Y. M. (2016). Analisis Stabilitas Lereng Akibat Beban Gempa dengan Perkuatan Dinding Penahan Tanah Menggunakan Software Geoslope di Desa Tambakmerang Girimarto Wonogiri. *e jurnalMatrix Teknik Sipil*, 195–201.
- Ramli, M., Karasu, T. J. R., & Dawood, E. T. (2013). The stability of gabion walls for earth retaining structures. *Alexandria Engineering Journal*, 52(4), 705–710. <https://doi.org/10.1016/j.aej.2013.07.005>
- Richards, D. J., Clayton, C. R. I., Powrie, W., & Hayward, T. (2004). Geotechnical analysis of a retaining wall in weak rock. January, 12–26. <https://doi.org/10.1680/geng.157.1.13.36281>
- Riogilang, H. (2017). Desain Perkuatan Tanah Pada Lereng Ruas Jalan Manado-Tomohon STA7-250. *Jurnal LPPM Bidang Sains dan Teknologi*, 4(September), 35–43.
- Rui, R., Ye, Y., Han, J., Zhang, L., & Zhai, Y. (2020). Experimental and theoretical investigations on active earth pressure distributions behind rigid retaining walls with narrow backfill under a translational mode. *International Journal of Geomechanics*, 20(10), 04020178.
- Salehi Alamdari, N., Khosravi, M. H., & Katebi, H. (2020a). Distribution of lateral active earth pressure on a rigid retaining wall under various motion modes. *International Journal of Mining and Geo-Engineering*, 54(1), 15–25.

- Salehi Alamdari, N., Khosravi, M. H., & Katebi, H. (2020b). Distribution of lateral active earth pressure on a rigid retaining wall under various motion modes. *International Journal of Mining and Geo-Engineering*, 54(1), 15–25.
- Salehi Alamdari, N., Khosravi, M. H., & Katebi, H. (2020c). Distribution of lateral active earth pressure on a rigid retaining wall under various motion modes. *International Journal of Mining and Geo-Engineering*, 54(1), 15–25.
- Sravanam, S. M., Balunaini, U., & Madhav, M. R. (2019). Behavior and Design of Back-to-Back Walls Considering Compaction and Surcharge Loads. *International Journal of Geosynthetics and Ground Engineering*, 5(4), 31. <https://doi.org/10.1007/s40891-019-0180-z>
- Stathas, D. (2017). Concave Segmental Retaining Walls with Porcupine Blocks (Nomor August). The Hongkong University of Science and Technology.
- Tang, Y., Pei Li, J., & Ma, Y. (2018a). Lateral earth pressure considering the displacement of a rigid retaining wall. *International Journal of Geomechanics*, 18(11), 06018031.
- Tang, Y., Pei Li, J., & Ma, Y. (2018b). Lateral earth pressure considering the displacement of a rigid retaining wall. *International Journal of Geomechanics*, 18(11), 06018031.
- Toprak, B., Sevim, O., & Kalkan, I. (2016). Gabion Walls and Their Use. *International Journal of Advances in Mechanical and Civil Engineering*, 3(4), 2394–2827. http://www.iraj.in/journal/journal_file/journal_pdf/13-271-147400929156-58.pdf
- Weber, R. P. (2010). Basic Geotechnical Engineering Credit: 7 PDH. 877.
- Weidong, H., Xinnian, Z., Xiaohong, L., Yongqing, Z., & Xiyu, Z. (2020). Active earth pressure against cantilever retaining wall adjacent to existing basement exterior wall. *International Journal of Geomechanics*, 20(11), 04020207.
- Widodo, A. S., & Waskita, J. (2015). Manajemen Resiko Bencana Melalui Kerjasama Antar Daerah Studi Tentang Manajemen Resiko Bencana Gunung Slamet. *jurnal Manajemen Resiko Bencana*, 57–65.
- Xie, M., Zheng, J., Zhang, R., Cui, L., & Miao, C. (2020a). Active earth pressure on rigid retaining walls built near rock faces. *International Journal of Geomechanics*, 20(6), 04020061.
- Xie, M., Zheng, J., Zhang, R., Cui, L., & Miao, C. (2020b). Performance of a Combined Retaining Wall Structure Supporting a High Embankment on a Steep Slope: Case Study. *International Journal of Geomechanics*, 20(6), 05020002. [https://doi.org/10.1061/\(asce\)gm.1943-5622.0001644](https://doi.org/10.1061/(asce)gm.1943-5622.0001644)
- Xu, P., & Hatami, K. (2019). Sliding stability and lateral displacement analysis of reinforced soil retaining walls. *Geotextiles and Geomembranes*, 47(4), 483–492.
- Xu, P., Hatami, K., & Jiang, G. (2021). Shaking table performance of reinforced soil retaining walls with different facing configurations. *Geotextiles and Geomembranes*, 49(3), 516–527. <https://doi.org/10.1016/j.geotexmem.2020.10.003>

- Xu, P., Yang, G., Hatami, K., & Li, T. (2022). Upper-bound limit analysis of MSE walls subjected to strip footing load. *Geosynthetics International*, 1–13.
- Xu, S. Y., Kannangara, K. K. P. M., & Taciroglu, E. (2018). Analysis of the stress distribution across a retaining wall backfill. *Computers and Geotechnics*, 103(July), 13–25. <https://doi.org/10.1016/j.compgeo.2018.07.001>
- Xu, S.-Y., Lawal, A. I., Shamsabadi, A., & Taciroglu, E. (2019). Estimation of static earth pressures for a sloping cohesive backfill using extended Rankine theory with a composite log-spiral failure surface. *Acta Geotechnica*, 14, 579–594.
- Yadav, P. A., Padade, A. H., Dahale, P. P., & Meshram, V. M. (2018). Analytical and Experimental Analysis of Retaining Wall in Static and Seismic Condition, a Review. *IJCIET International Journal of Civil Engineering and Technology*, 9(2), 522–530.
- Yang, G., Wang, Y., & Liu, Y. (2017). Analysis of active earth pressure on retaining walls based on curved sliding surface. *Rock and Soil Mechanics*, 38(8), 2182–2188.
- Yang, M., Tang, X., & Wu, Z. (2020). Slip Surface and Active Earth Pressure of Cohesionless Narrow Backfill behind Rigid Retaining Walls under Translation Movement Mode. *International Journal of Geomechanics*, 20(8), 04020115. [https://doi.org/10.1061/\(asce\)gm.1943-5622.0001746](https://doi.org/10.1061/(asce)gm.1943-5622.0001746)
- Yuan, J., Lin, P., Mei, G., & Hu, Y. (2019). Statistical prediction of deformations of soil nail walls. *Computers and Geotechnics*, 115(April), 103168. <https://doi.org/10.1016/j.compgeo.2019.103168>
- Zhang, X., Song, J., Peng, J., & Wu, J. (2019). Science of the Total Environment Landslides-oriented urban disaster resilience assessment – A case study in ShenZhen , China. *Science of the Total Environment*, 661, 95–106. <https://doi.org/10.1016/j.scitotenv.2018.12.074>
- Zhang, Y. (2020). The cause analysis of landslide disaster. *IOP Conference Series: Materials Science and Engineering*, 780(7). <https://doi.org/10.1088/1757-899X/780/7/072049>

