



DAFTAR PUSTAKA

- Adaska, W.S., 2006. *Roller-Compacted Concrete (RCC)*. Pennsylvania: Portland Cement Association.
- American Concrete Institute*, ACI 116-R-00. 2000. *Cement and Concrete Terminology*.
- American Concrete Institute*, ACI 207-1R-05. 2005. *Guide to Mass Concrete*.
- American Concrete Institute*, ACI 207-5R-99. 1999. *Roller-Compacted Mass Concrete*.
- American Concrete Institute*, ACI 301-20. 2020. *Specification for Concrete Construction*.
- Badr, A., Li, Z., El-Dakhkhni, W., 2023. Dam System and Reservoir Operational Safety: A Meta-Research. *Water (Basel)* 15, 3427. <https://doi.org/10.3390/w15193427>
- Baghdady, S. A. dan Khan, L. 2018. *Designing Roller Compacted Concrete (RCC) Dams*. Stockholm: KTH.
- Cement Concrete & Aggregates., 2020. Part V Concreting Site Practices Hot and Cold Weather Concreting.
- Cervera, M., Goltz, M., 2003. Simulation of temperature and stress during and after RCC dams construction. International Center for Numerical Methods in Engineering.
- Corns, C.F., Tarbox, G.S., Schrader, E.K., 1988. Gravity Dam Design and Analysis, dalam: *Advanced Dam Engineering for Design, Construction, and Rehabilitation*. Springer US, Boston, MA, hlm. 466–492. https://doi.org/10.1007/978-1-4613-0857-7_16
- Enzell, J., Malm, R., Tollsten, M., 2022. Predicting the Influence of Seasonal Thermally Induced Cracking on a Reinforced Concrete Arch Dam. *KSCE Journal of Civil Engineering* 26, 2707–2721. <https://doi.org/10.1007/s12205-022-0112-7>
- Howard Humphreys Consulting Engineers. 1995. *The Study and Design of Tannur Dam. Design Rep., Vol. III*.
- Huang, Y., Liu, G., Huang, S., Rao, R., Hu, C., 2018. Experimental and finite element investigations on the temperature field of a massive bridge pier caused by the hydration heat of concrete. *Constr Build Mater* 192, 240–252. <https://doi.org/10.1016/j.conbuildmat.2018.10.128>
- Husein Malkawi, A.I., Mutasher, S.A., Qiu, T.J., 2003. Thermal-Structural Modeling and Temperature Control of Roller Compacted Concrete Gravity Dam. *Journal of Performance of Constructed Facilities* 17, 177–187. [https://doi.org/10.1061/\(asce\)0887-3828\(2003\)17:4\(177\)](https://doi.org/10.1061/(asce)0887-3828(2003)17:4(177))
- Incropera, F.P., Dewitt, D.P., Bergman, T.L., Lavigne, A.S., 2007. *Fundamentals of Mass and Heat Transfer*, 6th ed. John Wiley and Sons, Inc, USA.
- Jin, F., Huang, D., Lino, M., Zhou, H., 2024. A Brief Review of Rock-Filled Concrete Dams and Prospects for Next-Generation Concrete Dam Construction Technology. *Engineering* 32, 99–105. <https://doi.org/10.1016/j.eng.2023.09.020>



- Korea Concrete Institute. 2003. *Standard Specification for Concrete*. Korea: Korea Concrete Institute.
- Le, H.-H., Vu, C.-C., Ho, N.-K., Luu, V.-T., 2020. A method of controlling thermal crack for mass concrete structures: modelling and experimental study. *IOP Conf Ser Mater Sci Eng* 869, 072054. <https://doi.org/10.1088/1757-899X/869/7/072054>
- Liang, T., Luo, P., Mao, Z., Huang, X., Deng, M., Tang, M., 2023. Effect of Hydration Temperature Rise Inhibitor on the Temperature Rise of Concrete and Its Mechanism. *Materials* 16, 2992. <https://doi.org/10.3390/ma16082992>
- Lyu, Y., Liu, Y., Liu, J., Ma, Z., 2023. Research on hydration-caused thermal cracking risk of steel-concrete composite bridge pylons. *J Constr Steel Res* 211. <https://doi.org/10.1016/j.jcsr.2023.108165>
- Malkawi, A.I.H., Malkawi, D.A.H., Bani-Hani, K.A., 2024. Thermal-Structural Modelling and Temperature Control of Roller-Compacted Concrete Gravity Dam: A Parametric Study. *hlm.* 82–91. https://doi.org/10.1007/978-3-031-57800-7_7
- Mardani-Aghabaglou, A., Andiç-Çakir, Ö., Ramyar, K., 2013. Freeze–thaw resistance and transport properties of high-volume fly ash roller compacted concrete designed by maximum density method. *Cem Concr Compos* 37, 259–266. <https://doi.org/10.1016/j.cemconcomp.2013.01.009>
- Midas Civil. 2015. *Analysis for Civil Structures*. <https://www.midasbridge.com>.
- Nguyen, T.C., Bui, A.K., Hoang, Q.L., 2021. Thermal Cracks in Concrete Structure—The Basic Issues to Be Understood. *hlm.* 229–240. https://doi.org/10.1007/978-981-16-0945-9_19
- Nilimaa, J., 2023. Smart materials and technologies for sustainable concrete construction. *Developments in the Built Environment* 15, 100177. <https://doi.org/10.1016/j.dibe.2023.100177>
- Pittman, D.W., Ragan, S.A., 1998. Drying Shrinkage of Roller-Compacted Concrete for Pavement Applications.
- Rahimi, M.Z., Zhao, R., Sadozai, S., Zhu, F., Ji, N., Xu, L., 2023. Research on the influence of curing strategies on the compressive strength and hardening behaviour of concrete prepared with Ordinary Portland Cement. *Case Studies in Construction Materials* 18, e02045. <https://doi.org/10.1016/j.cscm.2023.e02045>
- Ramadan, M., Jia, J., Zhao, L., Li, X., Wu, Y., 2024. Comprehensive Safety Analysis of Ultimate Bearing Capacity Considering Hydraulic Fracture for Guxian High RCC Gravity Dam. *Water (Basel)* 16, 1912. <https://doi.org/10.3390/w16131912>
- Rambabu, D., Sharma, S.K., Akbar, M.A., 2023. Evaluation of roller compacted concrete for its application as high traffic resisting pavements with fatigue analysis. *Constr Build Mater* 401, 132977. <https://doi.org/10.1016/j.conbuildmat.2023.132977>
- Sayed-Ahmed, E.Y., Abdelrahman, A.A., Embaby, R.A., 2018. Concrete dams: Thermal-stress and construction stage analysis. *Dams and Reservoirs* 28, 12–30. <https://doi.org/10.1680/jdare.16.00055>



- Singh, M.P., Sen, S., Pathak, H., Dogra, A.B., 2024. Early age cracking relevant to mass concrete dam structures during the construction schedule. *Constr Build Mater* 411, 134739. <https://doi.org/10.1016/j.conbuildmat.2023.134739>
- Siva Parvathi, I., Shehanaz, S., 2023. Thermal transient stress analysis in RCC dam construction. *Mater Today Proc.* <https://doi.org/10.1016/j.matpr.2023.02.329>
- Söğüt, S., 2014. *State of The Art in Roller Compacted Concrete (RCC) Dams: Design and Construction*. Turkey: Middle East Technical University.
- SNI 7656:2012. 2012. Tata Cara Pemilihan Campuran untuk Beton Normal, Beton Berat dan Beton Massa. Jakarta: Badan Standarisasi Nasional.
- Syam, J., 2022. Studi Komparasi Pedoman Desain Sebagai Referensi Inovasi Dan Desain Bendungan Beton Gravity. *Jurnal Teknik Hidraulik* 13, 27–38. <https://doi.org/10.32679/jth.v13i1.685>
- Tan, Y., Tang, K., 2024. Evaluate the effect of coarse aggregates on cement hydration heat and concrete temperature modelling using isothermal calorimetry. *Heliyon* 10, e38322. <https://doi.org/10.1016/j.heliyon.2024.e38322>
- Tanabe, T., Kawasumi, M., Yamashita, M., 1986. *Thermal Stress Analysis of Massive Concrete*. ASCE.
- Tang, V.L., Nguyen, T.C., Igorevich, B.B., Pham, N.A., Huynh, T.P., 2020. A combined experiment-simulation study on temperature regime of roller-compacted concrete applying for dam construction. *Journal of Thermal Engineering* 6, 772–785. <https://doi.org/10.18186/THERMAL.799443>
- Xie, Y., Du, W., Xu, Y., Peng, B., Qian, C., 2023. Temperature field evolution of mass concrete: From hydration dynamics, finite element models to real concrete structure. *Journal of Building Engineering* 65. <https://doi.org/10.1016/j.jobbe.2022.105699>
- Xie, Y., Qian, C., 2023. A novel numerical method for predicting the hydration heat of concrete based on thermodynamic model and finite element analysis. *Mater Des* 226, 111675. <https://doi.org/10.1016/j.matdes.2023.111675>
- Yao, H., Liu, D., 2021. Study on Seepage Monitoring and Analysis of SL Gravity Dam, dalam: 2021 7th International Conference on Hydraulic and Civil Engineering & Smart Water Conservancy and Intelligent Disaster Reduction Forum (ICHCE & SWIDR). IEEE, hlm. 1475–1478. <https://doi.org/10.1109/ICHCESWIDR54323.2021.9656287>
- Zhang, C., Wang, H., Cao, J., Liu, Q., Liu, F., Wang, M., 2023. Type Selection between Arch Dam and Gravity Dam Based on Construction Simulation: A Case Study. *Water (Basel)* 15, 1482. <https://doi.org/10.3390/w15081482>