DAFTAR PUSTAKA

Abbood, I. S., aldeen Odaa, S., Hasan, K. F., & Jasim, M. A. (2020). Properties evaluation of fiber reinforced polymers and their constituent materials used in structures–A review. *Materials Today: Proceedings*.

Ahmed, E., Sobuz, H. R., & Sutan, N. M. (2011). Flexural performance of CFRP strengthened RC beams with different degrees of strengthening schemes. International Journal of Physical Sciences, 6(9), 2229-2238.

A. Ahmed, S. Guo, Z. Zhang, C. Shi, D. Zhu, A review on durability of fiber reinforced polymer (FRP) bars reinforced seawater sea sand concrete, Constr. Build. Mater. 256 (2020), 119484, https://doi.org/10.1016/j.conbuildmat.2020.119484.

Al-Saawani, M. A., El-Sayed, A. K., & Al-Negheimish, A. I. (2020). Assessment of plate-end debonding design provisions for RC beams strengthened with FRP. Latin American Journal of Solids and Structures, 17(2).

American Concrete Institute (ACI). (2017). Guide for the Design and construction of Externally Bonded FRP Systems for Strengthening Concrete Structures. ACI 440. Farmington Hills, MI.

Aules, W., Saeed, Y. M., & Rad, F. N. (2020). A novel anchorage system for strengthening slender RC columns with externally bonded CFRP composite sheets. Construction and Building Materials, 245, 118423. doi:10.1016/j.conbuildmat.2020.118423

Bastian, E., Thamrin, R., & Tanjung, J. (2015). Pengaruh perkuatan pelat CFRP terhadap perilaku tulangan tarik struktur balok beton bertulang. Jurnal Rekayasa Sipil, 11(1), 22-28. doi:10.25077/jrs.11.1.23-30.2015

Cervenka, J. (2018). ATENA Program Documentation, Part 1, Theory. Cervenka Consulting, Czech Replubic. Diperoleh dari : https://www.cervenka.cz/products/atena/documentation/

Cervenka, V., Cervenka, J., & Pukl, R. (2002). ATENA—A tool for engineering analysis of fracture in concrete. Sadhana, 27(4), 485-492.

E. Gudonis et al., FRP reinforcement for concrete structures: state-of-the-art review of application and design, Eng. Struct. Technol. 5 (4) (2013) 147–158, https://doi.org/10.3846/2029882X.2014.889274.

Fanning, P. J., & Kelly, O. (2001). Ultimate response of RC beams strengthened with CFRP plates. Journal of Composites for Construction, 5(2), 122-127.

GangaRao, H. V., Taly, N., & Vijay, P. V. (2007). Reinforced concrete design with FRP composites. CRC press : Boca Raton.

Helmi, M. (2009). Perbaikan balok beton bertulang yang telah mengalami beban puncak dengan baja siku. Jurnal Rekayasa, 13(1). 54-65. Diperoleh dari http://ft-sipil.unila.ac.id

Hollaway, L. C., & Leeming, M. (Eds.). (1999). Strengthening of reinforced concrete structures: Using externally-bonded FRP composites in structural and civil engineering. Elsevier.

Hu, H. T., Lin, F. M., & Jan, Y. Y. (2004). Nonlinear finite element analysis of reinforced concrete beams strengthened by fiber-reinforced plastics. Composite Structures, 63(3-4), 271-281.

Khomwan, N., Foster, S. J., & Smith, S. T. (2005). Debonding failure in CFRP flexurally strengthened reinforced concrete beams. UNICIV Report No. R-440 September 2005. Australia, SYD : The University of New South Wales.

Kotynia, R., Abdel Baky, H., Neale, K. W., & Ebead, U. A. (2008). Flexural strengthening of RC beams with externally bonded CFRP systems: Test results and 3D nonlinear FE analysis. Journal of Composites for Construction, 12(2), 190-201.

Lu, X. Z., Teng, J. G., Ye, L. P., & Jiang, J. J. (2005). Bond–slip models for FRP sheets/plates bonded to concrete. Engineering structures, 27(6), 920-937.

Mansour, W.N. (2015). Analysis of RC continuous beams strengthened in flexure with FRP using FEM (Tesis). Diperoleh dari https://www.researchgate.net (doi: 10.13140/RG.2.1.4396.4326)

Motavalli, M., Czaderski, C., & Pfyl-Lang, K. (2011). Prestressed CFRP for Strengthening of Reinforced Concrete Structures: Recent Developments at Empa, Switzerland. Journal of Composites for Construction, 15(2), 194–205. doi:10.1061/(asce)cc.1943-5614.0000125

Nurlina, S., Anggraini, R., El Unas, S., Hasyim, M.H., & Mutiara, D. (2013). Penelitaian masa layan bangunan sipil pada struktur chimney PLTU (Studi kasus : Chimney PLTU Paiton unit 6 dan 7). Jurnal Rekayasa Sipil, 7 (1), 42-47. Diperoleh dari http://rekayasasipil.ub.ac.id

Salsabila, P. (2019, 8 April). Siap-siap, 458 lahan di Jakarta yang alih fungsi bakal kena sanksi. Ekonomi. Diperoleh dari https://ekonomi.bisnis.com

Siddika, A., Saha, K., Mahmud, M. S., Roy, S. C., Mamun, M. A. A., & Alyousef, R. (2019). Performance and failure analysis of carbon fiber-reinforced polymer (CFRP) strengthened reinforced concrete (RC) beams. SN Applied Sciences, 1:1617.

Smith, S. ., & Teng, J. . (2002). FRP-strengthened RC beams. I: review of debonding strength models. Engineering Structures, 24(4), 385–395. doi:10.1016/s0141-0296(01)00105-5

Standar Nasional Indonesia. (1989). Pedoman Perencanaan Pembebanan Untuk Rumah dan Gedung (SNI 1727: 1989). Jakarta, IDN : Badan Standarisasi Nasional.

Standar Nasional Indonesia. (2013). Persyaratan beton struktural untuk bangunan gedung (SNI 2847: 2013). Jakarta, IDN : Badan Standarisasi Nasional.

Teng, J. G., Chen, J. F., Smith, S. T., & Lam, L. (2002). FRP: strengthened RC structures (p. 266).

Teng, J. G., & Chen, J. F. (2007, December). Debonding failures of RC beams strengthened with externally bonded FRP reinforcement: behaviour and modelling. In Proceedings of the first Asia-Pacific conference on FRP in structures (APFIS 2007) (pp. 12-14). The University of Hong Kong, Hong Kong, China.

Teng, J. G., & Yao, J. (2005). Plate end Debonding failures of FRP-or Steel Plated RC Beams: A new Strength Model. In Proc. Int. Symp. Bond Behav. FRP in Struct (Vol. 283, p. 290).

Teng, J. G., & Yao, J. (2007). Plate end debonding in FRP-plated RC beams—II: Strength model. Engineering Structures, 29(10), 2472-2486.

Thamrin, R., Zaidir, & Zakiyyah, A. (2021). Effect of reinforcement ratio on flexural behavior of reinforced concrete beams strengthened with CFRP plates. In IOP Conference Series: Earth and Environmental Science, 708(1). IOP Publishing.

Tingyan, W., Yun, Z., & Junwei, Z. (2020). Calculation on Bending Stiffness of RC Short Beam Strengthened by CFRP. Advances in Civil Engineering. https://doi.org/10.1155/2020/8836284

UNIVERSITAS ANDALAS
UNTUK KEDJAJAAN BANGSA

Wu, Z., Wu, Y., & Fahmy, M. F. M. (2020). Structures Strengthened With Bonded Composites. Woodhead Publishing Series in Civil and Structural Engineering. Cambridge, MA: Elsevier Ltd.

Yang, J., Haghani, R., & Al-Emrani, M. (2019). Innovative prestressing method for externally bonded CFRP laminates without mechanical anchorage. Engineering Structures, 197, 109416. https://doi.org/10.1016/j.engstruct.2019.109416

Yazdani, N., Garcia, E. C., & Riad, M. (2018). Eco-efficient Repair and Rehabilitation of Concrete Infrastructures. Woodhead Publishing Series in Civil and Structural Engineering, hal 171-194. https://doi.org/10.1016/B978-0-08-102181-1.00008-3

Zhang, P., Lei, D., Ren, Q., He, J., Shen, H., & Yang, Z. (2020). Experimental and numerical investigation of debonding process of the FRP plate-concrete interface. Construction and Building Materials, 235, 117457.

Zilch, K., Niedermeier, R., & Finckh, W. (2014). Strengthening of Concrete Structures with Adhesive Bonded Reinforcement Design and Dimensioning of CFRP Laminates and Steel Plates. Germany, DE: Wiley Ernst & Sohn.

Zoghi, M. (2014). The International Handbook of FRP Composites in Civil Engineering. CRC Press, Boca Raton.

UNIVERSITAS ANDALAS
UNTUK KEDJAJAAN BANGSA