

DAFTAR PUSTAKA

- Annual Book of ASTM Standards. 2000. Standard Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water.
- ASTM, ASTM C 125 Standard Terminology Relating to Concrete and Concrete Aggregates, ASTM, West Conshohocken, PA, USA, 2019.
- Arif, J., dkk., 2017, Pengaruh Resin Epoksi Terhadap Mortar Polimer Ditinjau dari Kuat Tekan, Kuat Tarik Belah, Daya Serap Air dan Scanning Electron Microscope, *Journal Rekayasa Sipil Dan Desain*, Vol. 3, No. 3, Hal:361 – 370.
- Ayu, dkk. 2014. Pengaruh Penambahan Tumbukan Limbah Botol Kaca Sebagai Bahan Substitusi Agregat Halus Terhadap Kuat Tekan Dan Kuat Lentur Beton. Bekasi: Universitas Islam Bekasi.
- Beaudoin, JJ. Blaga. 1985. Polymer concrete. Journal CBD-242. Concell National de Reserchers Canada, Canada.
- Bedi, R., Chandra, R., dan Sing, S. P. 2013. Mechanical properties of polymer concrete-review article. Journal of composites.
- Calvelri, L., Miraglia, N, Papia, M. 2003. Pumice Concrete For Structural Wall Panel. Belgium: Katholieke Universiteit Leuven.
- Candra, P.A., 2011. Tinjauan Kuat Tekan Beton Dengan Metode ACI dan SNI 1990 Dengan Penambahan Bahan Aditive. Skripsi, Universitas Muhammadiyah Surakarta, Surakarta.
- Czarnecki, L. 2007. Concrete-polymer composites: trends shaping the future. International Journal of the Society of Materials Engineering for Resources, vol. 15, no. 1, pp. 1–5.
- Departemen Pekerjaan Umum. 1989. Badan Penelitian dan Pengembangan PU. Pedoman beton. Jakarta
- Fanisa, Eki G.P. dan Tanzil, Gunawan. 2013. Pengaruh Sulfat Terhadap Kuat Tekan Beton dengan Variasi Bubuk Kaca Substitusi Sebagian Pasir dengan w/c 0,60 dan 0,65. Jurnal Teknik Sipil dan Lingkungan, Vol. 1, No. 1, 68 - 73.
- Ferreira, A. J. M. 2000. Flexural properties of polyester resin concretes. Journal of Polymer Engineering, vol. 20, no. 6, pp. 459-468.
- Golestaneh, M., Amini, G., Najafour, G. D., dan Beygi, M. A. 2010. Evaluation of Mechanical Strength of Epoxy Polymer Concrete with Silica Powder as Filler, World Applied Sciences Journal, Volume 9, No. 2, pp. 216-220.

- Hariadi, D., dkk., 2015, Karakterisasi Sifat Mekanik Beton Polimer dengan Filler Nanosilika dan Nanokalsit, *Jurnal Fisika*, Vol 04 Nomor 01 Tahun 2015, hal 45 – 48
- Hu Zhirong, 2012. Study on the fire resistance of reinforced concrete shear wall reinforced by epoxy resin. Guangzhou: South China University of Technology.
- K. Jafari, M. Tabatabaeian, A. Joshaghani., and T.Ozbakkaloglu, “Optimizing the mixture design of polymer concrete: an experimental investigation,” *Construction and Building Materials*, vol. 167, pp. 185–196, 2018.
- Kirlikovali, E. 1981. Polymer/concrete composites-a review. *Polymer engineering and science*, vol. 21. No. 2, pp. 31-40.
- Laredo Dos Reis, 2005. Mechanical characterization of fiber reinforced polymer concrete. *Materials Research*, vol. 8, no. 3, pp. 357-360.
- Lutfi, 2012. Penggunaan Pasir Besi Sebagai Pengganti Semen terhadap Kuat Tekan dan Kuat Tarik Belah. *Media Bina Ilmiah* 6(2) : 24-28
- M. C. S. Ribeiro, C. M. L. Tavares, and A. J. M. Ferreira, “Chemical resistance of epoxy and polyester polymer concrete to acids and salts,” *Journal of Polymer Engineering*, vol. 22, no. 1, pp. 22–27, 2002.
- Maghfirah, Awan., Marlianto, Eddy., Iskandar, Mulkan., S., Putri. M.S. 2018. Pembuatan dan Karakterisasi Beton Polimer dengan Agregat Batu Apung serta Serat Cangkang Kulit Kopi Sebagai Filler. *Jurnal Ilmu Fisika dan Teknologi*, Vol. 2, No. 2, 2018, 1 - 10.
- Nawy, Edward G., 1985, *Beton Bertulang. Suatu Pendekatan Dasar*, Terjemahan oleh Bambang Suryoatmono, 1990, PT ERESKO, Bandung.
- Nugroho, dkk, 2017, Kuat Tekan Dan Kuat Tarik Belah Beton Polimer Termodifikasi Alami Amylum Serta Bahan Tambah Madu, *G-SMART Jurnal Teknik Sipil Unika Soegijapranata Semarang*, Volume 1 No.2.
- Nurmala. 2010. Analisis Pengaruh Orientasi Serat Ijuk dengan Matriks Polyester dan Epoxy. *Makasar*, Vol. 10, No.4.
- Ohama, Y. 1976. Recent progress in concrete-polymer composites. *Advanced Cement Based Materials*. Vol. 5, No. 2, pp. 31-40.
- P. J. R. O. No´voa, M. C. S. Ribeiro, A. J. M. Ferreira, and A. T. Marques, 2004 Mechanical characterization of lightweight polymer mortar modified with cork granulates, *Composites Science and Technology*, vol. 64, no.13-14, pp. 2197–2205.
- Rafii, dkk., 2000, *Pengaruh Pemakaian Agregat Pasir Besi terhadap Kuat Desak Beton (Studi Eksperimental)*, Tugas Akhir, Universitas Islam Indonesia, Yogyakarta.

- Rebeiz, K. S. 1996. Precast use of polymer concrete using unsaturated polyester resin based on recycled PET waste. *Construction and Building Materials*, vol. 10, no. 3, pp. 215-220.
- Reis, J. M. L., dan Carneiro, E.P. 2012. Evaluation of PET waste aggregates in polymer mortars. *Construction and building materials*, vol. 27, no. 1, pp. 107-111.
- Reis, J. M. L. 2006. Fracture and flexural characterization of natural fiber-reinforced polymer concrete. *Construction and building materials*, vol. 20, no. 9, pp. 673-678.
- Rismayasari, Y., dkk., 2012, Pembuatan Beton dengan Campuran Limbah Plastik dan Karakterisasinya, *Indonesian Journal of Applied Physics*, Vol 2., No. 02.
- Siregar, S. M. 2009. Pemanfaatan Kulit Kerang dan Resin Epoksi Terhadap Karakteristik Beton Polimer. Tesis. Universitas Sumatra Utara. Medan
- Shokrieh, M. M., Heidari-Rarani, M., Shakouri, M., & Kashizadeh, E. (2011). Effects of thermal cycles on mechanical properties of an optimized polymer concrete, *Construction and Building Materials*, 3540–3549.
- Tjokrodinuljo. 1996. *Teknologi Beton*. Nafiri, Yogyakarta.
- Van Gemert. 2004. PC, Polymer Concrete, PIC, Polymer-Impregnated Concrete and PcC, Polymer-modified cement, pp 213-242.
- Wahyudi,L dan Rahim, S 1999, Struktur Beton Bertulang, PT Gramedia Pustaka, Jakarta.
- Xie, Xinying., Kang, Xinnan., Jin, Yujin., dan Cai, Jingwei. 2017. The Effect of Mechanical Performance on PP Fiber to Polymer Mortar. IOP Conf. Series: Earth and Environmental Science 128 (2018) 012038.
- Y. Ohama, “Recent progress in concrete-polymer composites,” *Advanced Cement Based Materials*, vol. 5, no. 2, pp. 31–40, 1999.
- Zheng, dkk. 2003. Epoxy resin containing the polysily ether: Preparation, morphology, and mechanical properties. China: Wiley Perodicals, Inc.
- Zhou Wenping dan Huang Haikun. 2017. Application of epoxy resin concrete in reinforced shear wall with prestressed steel bar. *Construction technology* 46 31-34.