

DAFTAR PUSTAKA

- Akil, H.M., Omar, M.F., Mazuki, A.A.M., Safiee, S., Ishak, Z.A.M., Bakar, A.A. (2011). Kenaf Fiber Reinforced Composites: A Riview: Journal of Materials and Design Vol. 4107-4121.
- Annual Book ASTM Standart D6110-04. (2004). USA.
- Annual Book ASTM Standart D570-98. (1998). USA.
- Annual Book ASTM Standart D790-03. (2003). USA.
- Bajuri, F., Mazlan, N., Ishak, M.R., Imatomi, J. (2016). *Flexural and Compressive Properties of Hybrid Kenaf/Silica Nanoparticles in Epoxy Composite*. Procedia Chemistry Vol. 955-960.
- Bajuri, F., Mazlan, N., Ishak, M.R. (2018). *Water absorption analysis on impregnated kenaf with nanosilica for epoxy/kenaf composite*. IOP Conf. Series: Materials Science and Engineering.
- Bakar, M. A. Abu., Ahmad, S., Kuntjoro, W. (2010). *The Mechanical Properties of Treated and Untreated Kenaf Fibre Reinforced Epoxy Composite*. Journal of Biobased Materials and Bioenergy. Vol. 4, 1–5, 2010
- Bakar, N. H., Hyie, K. M., Mohamed, A. F., Salleh, Z. & Kalam, A. (2014). *Kenaf fibre composites using thermoset epoxy and polyester polymer resins: energy absorbed versus tensile properties*. Materials Research Innovations. 18:sup6, S6-505-509.
- Bozkurt, O.Y., Al-Azzawi, W.K., Ozkan, O. (2017) *The Effect of Nanosilica on Tensile and Flexural Behavior of Glass Fiber Reinforced Composite Laminates*. Mechanical Engineering Department, Gaziantep University, Turkey. 5(3).
- Carey, J. P. (2017) *Introduction to braided composites. Handbook of Advances in Braided Composite Materials*. Copyright © 2017 Elsevier Ltd. All rights reserved, pp. 1-21.
- Diharjo, K., Elharomy, I., Purwanto, A. (2014) Pengaruh Fraksi Volume Filler terhadap Kekuatan Bending dan Ketangguhan Impak Komposit Nanosilika – Phenolic. Jurnal Rekayasa Mesin Vol.5, No.1 Tahun 2014, pp. 27-32.
- Fan, M., Fu F. (2017) *Introduction: a perspective e natural fibre composites in construction*. Advanced High Strength Natural Fibre Composites in Construction. Copyright © 2017 Elsevier Ltd. All rights reserved, pp. 1-20.
- Faruk, O., Bledzki K.A., Fink H.P., Sain M. (2012). *Biocomposites Reinforced With Natural Fibers: 2000-2010*. Progres in Polymer Science Vol. 1552-1596.
- Fauzi, F. A., Ghazalli Z., Siregar J.P. (2016). *Effect of various kenaf fiber content on the mechanical properties of composites*. Journal of Mechanical

- Fauzi, F. A., Ghazalli Z., Siregar J.P. (2016). *Effect of various kenaf fiber content on the mechanical properties of composites*. Journal of Mechanical Engineering and Sciences (JMES) ISSN (Print): 2289-4659; e-ISSN: 2231-8380 Volume 10, Issue 3, pp. 2226-2233.
- Gibson, R. F. (2012). *Principles of Composite Material Mechanics*. Edisi Ketiga. McGraw-Hill, Inc. New York, USA.
- Gowthami, A., Ramanaiah, K., Prasad, A.V.R., Reddy, K.H.C., Rao, K.M., Babu, G.S. (2013). *Effect of Silica on Thermal and Mechanical Properties of Sisal Fiber Reinforced Polyester Composites*. JMES Vol. 199-204.
- Holbery, J., D. Houston. (2006). *Natural Fiber Reinforced Polymer Composite in Automotive Applications*: JOM. 58(11), pp.80-86.
- Islam, Md. S., Rahman, Md. M., Hasan, Mahbub. (2019). *Kenaf Fiber Based Bio-Composite : Processing, Characterization and potential application*. *Encyclopedia of Renewable and Sustainable Materials 2019 Elsevier Inc.* pp.1-9
- Jaafar, C. N. Aiza., Zainol, I., Rizal, M. A. Muhammad. (2018). *Preparation And Characterisation Of Epoxy/Silica/Kenaf Composite Using Hand Lay-Up Method*. 27th Scientific Conference of the Microscopy Society Malaysia (27th SCMSM 2018).
- Joseph, K., Thomas, S., C. Pavithran, M. Brahmakumar. (1993). *Tensile Properties of Short Sisal Fiber Reinforced Polyethylene Composite*. Jurnal of Applied Polymer Science Vol. 47. 1733-1739 (1993).
- Khater, H.M. (2013). *Effect of Silica Fume on the Characterization of the Geopolymer Materials*. International Journal of Advanced Structural Engineering. Original Research. 5(1), p.12.
- Mallick, P. K. 2007. *Fiber Reinforced Composites, Materials, Manufacturing and Design*. Taylor & Francis. Boca Raton, USA.
- Nahyudin, A., & Sosiati, H. (2016). Pengaruh Maleated Polypropylene (MAPP) Terhadap Kekuatan Tarik Komposit Sisal Polypropylene (PP). Skripsi. UGM. Yogyakarta, Indonesia.
- Onny. 2017. <http://artikel-teknologi.com/pengertian-material-komposit/>. Diakses pada 28 Maret 2019.
- Osman, E., Vakhguelt, A., Sbarski, I., Mutasher, S. (2011). *Mechanical Properties of Kenaf -Unsaturated Polyester Composites: Effect of Fiber Treatment and Fiber Length*. Advanced Materials Research Vols. 311-313 (2011), pp 260-271.
- Raharjo, W., Aries, H., Fitriyani, R. (2015). Sifat Tarik dan Lentur Komposit rHDPE/Serat Cantula dengan Variasi Panjang Serat. Proceeding Seminar Nasional Tahunan Teknik Mesin.

- Raghavendra. S., Balachandrashetty, P., Mukunda, P. G., Sathyanarayana, K. G. (2012) *The Effect of Fiber Length on Tensile Properties of Epoxy Resin Composites Reinforced by the Fibers of Banana*. International Journal of Engineering Research & Technology (IJERT). Vol. 1 Issue 6, August – 2012, pp. 1-3.
- Ridwan B.Y, Mechanical And Ballistic Properties of Natural Fibre/aramid Hybrid Laminated Composites. Philosophy (2015).
- Schwartz, M.M, 1984, Composite Material Handbook, Mc Graw Hill, Singapore.
- Shakeri, A. & Ghasemian, A., (2010). Water Absorption and Thickness Swelling Behavior of Polypropylene Reinforced with Hybrid Recycled Newspaper and Glass Fiber. Application Composite Material (2010) 17: pp 183–193.
- Sosiati, H., Supatmi, D.A., Wijayanti, R., Widyorini. (2014). Properties of the Tread Kenaf/Polypropylene (PP) Composites: Advance Materials Research Vol. 896 pp 566-569.
- Sujatno, A., Salam, R., Bandriyana., Dimiyati, A., (2015). Studi Scanning Electron Microscopy (Sem) Untuk Karakterisasi Proses Oksidasi Paduan Zirkoni: Jurnal Forum Nuklir (JFN), Volume 9, Nomor 2 pp 44-50
- Towaha, Juniati & Ahmadi, Nur Rofiq. (2011). Pemanfaatan *cashew Nut Shell Liquid* sebagai sumber Fenol Alami pada Industri. Balai Penelitian Tanaman Rempah dan Aneka Tanaman Industri dan Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian. Buletin RISTRI Vol 2 (2) 2011. pp. 187-198.
- Yusmaniar, & Suryani. (2012). Pemanfaatan Silika dari Sekam Padi pada Komposit Poliester Tek Jenuh-Silika. JRSKT Vol. 2. ISSN: 2302-8467 Hal. 178-181.
- Yusoff, M.Z. (2015). Review of Research Activities on Kenaf Reinforced Composite: Journal of Petrochemical Engineering Department, Politeknik Kuching Sarawak. ISSN, 2289, pp. 83-95.
- Zhang, P., Li, Q., Zhang, H. (2011). Combined Effect of Polypropylene Fiber and Silica Fume on Mechanical Properties of Concrete Composite Containing Fly Ash. Journal of Reinforced Plastics & Composites. Research Gate. 30(16), pp. 1349-1358.
- Zykova, A. K., Pantyukhov, P. V., Kolesnikova, N. N., Popov, A. A., Olkhov, A. A. (2015). Influence of Particle Size on Water Absorption Capacity and Mechanical Properties of Polyethylene Wood-Flour Composites. AIP Conference Proceedings 1683 (Vol. 1683, No. 1, p. 020242).