

### 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. Science Direct.
- Annual Book ASTM Standart D638-01. (2001). USA.
- Annual Book ASTM Standart D570-98. (1998). 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. Science Direct.
- 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.
- Bakar, M.AA, Ahmad, and Kuntjoro (2010). *The Mechanical Properties of Treated and Untreated Kenaf Fibre Reinforce Epoxy Composite*. Journal of biobased Material and Bioenergy Vol. 4,pp.1-5.
- 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).
- Diharjo, K., Elharomy, I., Purwanto, A. (2014) Pengaruh Fraksi Volume Filler terhadap kekuatan bending dan ketangguhan impak komposit nano silika-Phenolic. Jurnal Rekayasa Mesin Vol.5, No.1 Tahun 2014,pp. 27-32.
- Elmarakbi, A. (2014). *Advanced composite materials for automotive applications (First Edition)*. John Wiley & Sons, Ltd. United Kingdom.
- Faruk, O., Bledzki K.A., Fink H.P., Sain M. (2012). *Biocomposites Reinforced With Natural Fibers: 2000-2010*. Proggres in Polymer Science Vol. 1552-1596. Science Direct.
- 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.
- Ismail, N.F., Muhamad, N., Sulong, A.B., Haron, C.H.C., Tholibon, D., Tharazi, I., MdRadzi, M.K.F., Razak, Z. (2017). *Mechanical Properties of Compression Molded Epoxy Polymer Composites Reinforced with Kenaf*

- Fibers*. Journal of Mechanical Engineering Vol. SI 3 (2), 1-12, 2017. Department of Mechanical and Material Engineering, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, Selangor, Malaysia.
- Jones, M.R. (1999). *Mechanics of Composite Materials*. Scripta Book Company. Washington DC, USA.
- 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.
- Kosmatka, S., H., & Wilson, M., L. (2011). Design and Control of Concrete Mixtures. The guide to applications, methods, and materials. Fifteenth Edition. Portland Cement Association.
- Mallick, P. K. 2007. *Fiber Reinforced Composites, Materials, Manufacturing and Design*. Taylor & Francis. Boca Raton, USA.
- Matthews, F.L, and R.D. Rawling. (1993). *Composite Materials Engineering and Science*. Imperial College of Science Technology and Medicine. London, England.
- Nahyudin, A.. Pengaruh *Maleated Polypropylene* (MAPP) Terhadap Kekuatan Tarik Komposit Sisal *Polypropylene* (PP). Skripsi. UGM. Yogyakarta, Indonesia.
- Nourbakhsh, A., Karegarfard, A., Ashori, A., Nourbakhsh, A. (2010). *Effects of Particle Size and Coupling Agent Concentration on Mechanical Properties of Particulate-filled Polymer Composites*. Journal of Thermoplastic Composite Materials. 23(2), pp.169-174.
- Prabowo, Y., E. (2018). Fabrikasi dan Karakterisasi Sifat Bending dan Penyerapan Air Komposit Hibrid Alkali Treated Sisal/Karbon/PVC dengan Variasi Serat Sisal dan Serat Karbon. Skripsi. Teknik Mesin, Fakultas Teknik, Universitas Muhammadiyah Yogyakarta.
- Putra, D., R. (2017). Karakterisasi Sifat Tarik Komposit Laminat Hibrida Kenaf/*E-Glass* yang difabrikasi dengan matriks *polypropylene*. Skripsi. Teknik Mesin, Fakultas Teknik, Unuversitas Muhammadiyah Yogyakarta.
- Raharjo, W., Aries, H., Fitriyani, R. (2015). Sifat Tarik dan Lentur Komposit HDPE/Serat Cantula dengan Variasi Panjang Serat. Proceeding Seminar Nasional Tahunan Teknik Mesin.

- 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) 17:183–193.
- 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.
- Surdia, T. & Saito, S. (2013). *Pengetahuan Bahan Teknik*. Edisi Ketiga. Pradinya Paramita. Jakarta.
- Yusmaniar, & Suryani. (2012). *Pemanfaatan Silika dari Sekam Padi pada Komposit Poliester Tek Jenuh-Silika*. *JRSKT* Vol. 2. ISSN: 2302-8467 pp. 178-181.
- Yusoff, M.Z. (2015). *Review of Research Activities on Kenaf Reinforced Composite*: *Journal of Petrochemical Engineering Department, Politeknik Kuching Sarawak*. ISSN, 2289, p.8395.
- 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)

