

## DAFTAR PUSTAKA

- Ahmad Nur Hidayat, Neng Sri Suharty, Didik Djoko Susilo 2013, *Pengaruh Fraksi Volume Pada Pembuatan Komposit HDPE Limbah Cantula dan Berbagai Jenis Perekat Dalam Pembuatan Laminat*
- Alaya Fadlu Hadi, Bambang Setyoko, 2014, *Studi Kelayakan Mekanik Komposit Serat Rami Acak-Polyester Sebagai Bahan Helm Standar SNI*, Universitas Diponegoro.
- ASTM D 638-02, *Standard Test Method for Tensile Properties of Plastic*.
- ASTM D 638-97 (DENT) *Plastic Tensile Strength Standard Test*.
- Barbosa, G. P., Debone, H. S., Severino, P., Souto, E. B., & Da Silva, C. F. (2016). *Design and characterization of chitosan/zeolite composite films - Effect of zeolite type and zeolite dose on the film properties*. *Materials Science and Engineering C*, 60, 246–254.  
<http://doi.org/10.1016/j.msec.2015.11.034>
- Bárány T., Czigány T., Karger-Kocsis J., 2010, Application of the essential work of fracture (EWF) concept for polymers, related blends and composites: a review, *Progress in Polymer Science*, 35, 1257.
- Billmeyer, W. F. 1994, *Textbook of Polymer Science*. 3<sup>rd</sup> Edition, Jhon Wiley & Son, New York
- Diharjo, K. dan Triyono, 1999, "The Effect of Alkali Treatment on Tensile Properties of Random Kenaf Fiber Reinforced Polyester Composite". *Part III of Doctorate Dissertation Research Result, Post Graduate Study*, Universitas Gadjah Mada: Yogyakarta
- Diharjo, K., dan Triyono, T., 2003, Buku Pegangan Kuliah Material Teknik, Dinas Energi dan Sumber Daya Mineral kabupaten Malang. 2010. *Data Sumber Daya Mineral di Kabupaten Malang*. Malang: Dinas E dan S D M kabupaten Malang.
- Emma C.Y., dan Yiu-Wing, M., 2006, Essential Work of Fracture Analysis for Short Glass Reinforced and Rubber Toughened Nylon-6., kowloon, Hongkong.
- Fabiano Moreno Peres<sup>a</sup>, José Ricardo Tarpanib, Cláudio Geraldo Schönc, 2014 Essential Work of Fracture testing method applied to medium density Polyethylene, *Department of Metallurgical and Materials Engineering*,

*Escola Politécnica da Universidade de São Paulo, Av. Prof. Mello Moraes  
2463, São Paulo - SP, São Paulo, CEP05580-900, Brazil*

- Gibson RF. 1994, "*Principles Processing and Composite Material*". Mc-Granhill Book Company, New York.
- Harahap, S, (2006), "Kajian Bahan Laporan Akhir, Badan Penelitian dan Pengembangan Propinsi Sumatera Utara, Medan.
- Jones, M. R., 1975, *Mechanics of Composite Material*, Mc Graww Hill Kogakusha, Ltd
- Jones, R, M, 1999, *Mechanise of Compasite Material*. International Student Edition New York
- Kusumastuti, A., 2009, *Aplikasi Serat Sisal sebagai Komposit Polimer, Jurusan Teknologi Jasa*
- LuyInggaweni, Suyatno, 2015, *Karakterisasi Sifat Mekanik Plastik Biodegradable dari Komposit HDPE dan Pati Kulit Singkong*, Universitas Negri Surabaya
- Mardiyati, Dkk, 2017, *Sifat Tarik Dan Sifat Impak Komposit Polipropilena High Impact Berpenguat Serat Rami Acak Yang Dibuak Dengan Metode Injection Molding*, Institut Teknologi Bandung
- Mediastika, Christian E. 2013. *Hemat Energi dan Lestari Lingkungan Melalui Bangunan*. Yogyakarta : Katalog Dalam Terbitan
- Mukhammad, A. F. H., 2010, *Studi Kelayakan Komposit Hybrid Epoksi-Anyaman Serat*
- Muhammad Said, Arie Wagi Prawati, Eldis Murenda. 2008. *Atifasi Zeolit Alam Sebagai Adsorbent Pada Adsorbsi Larutan Iodium*. Jurusan Teknik Kimia Fakultas Teknik Universitas Sriwijaya.
- Nasir Mehmood, Tan Mao,Gaurav Bhupati. 2012.*Fracture Mechanical Trouser Tear Testing in Thin Polymer Films. Department of Mechanical Engineering Blekinge Institute of Technology Karlskrona, Sweden.*
- Nasution, A. 2011. *Pembuatan Papan Partikel Komposit Polietilena Kerapatan Rendah Daur Ulang Dan Tandan Kosong Kelapa Sawit*. Diakses :20,2017,

- Nurmaulita, 2010. “Pengaruh Orientasi Serat Sabut Kelapa Dengan Resin Polyester Terhadap Karakteristik Papan Lembaran”. Universitas Sumatera Utara.
- Ni'mah, Y.L., Atmaja, L., dan Juwono, H., (2009), *Synthesis and Characterization of HDPE Plastic Film for Herbicide Container Using Fly Ash Class F as Filler*, *Indo.J. Chem* 9(3) : 348-354.
- Oktaviana, T. D. 2002. *Pembuatan dan Analisa Film Bioplastik dari Kitosan Hasil Iradiasi Kitin yang Berasal dari Kulit Kepiting Bakau (Scylla serata)*. (Skripsi). Universitas Pancasila. Jakarta
- Purnomo, Soenoko, R., Irawan, Y.S. and Suprpto, A. 2014. Fracture behavior of Zeolite-filled High Density Polyethylene Based on Energy Partitioning Work of Fracture, *International Journal of Applied Engineering Research*, Vol. 9(24), pp. 28737-28747
- Purnomo, Soenoko, R.; Suprpto, A.; and Irawan, Y.S. 2015. Morphological and mechanical properties of natural zeolite-high density polyethylene composite. *International Journal of Applied Engineering Research*, 10(11), 28001-28012
- Purnomo, Soenoko, R.; Suprpto, A., Irawan, Y.S. 2016. Impact Fracture Toughness Evaluation by Essential Work of Fracture Methode in High Density Polyethylene Filled with Zeolite, *FME Transactions*, Vol.44, pp. 180-187
- Purnomo, Soenoko, R, Irawan, Y.S, Suprpto, A., 2017. Deformation under quasi static loading in high density polyethylene filled with natural zeolite, *Journal of Engineering Science and technology*, vol.12, (5), pp. 1191 – 1203.
- Purnomo and Subri.M. 2017. Post-Yield Fracture Behavior of Zeolite-Reinforced High Density polyethylene Annealed Composite, *International Review of Mechanical Engineering*, vol.11, No.1, pp.87-93
- Purnomo and Subri.M. 2016. Tensile behavior of Zeolite-filled High Density polyethylene Annealed Composite, *Proceeding of the 2<sup>nd</sup> International Seminar and Conference on Global Issues (ISCoGI) 2016: European and Asian in the Age of Globalization: Cooperation and Challenge* Wahid

- Hasyim University, Semarang, Indonesia Rami Dan SS304L Screen Mesh Sebagai Panel Peluru Level II Standar NIJ. Tesis. Universitas Gadjah Mada. Yogyakarta.
- Sitepu, I.P., 2009, pengaruh konsentrasi maleat anhidrat terhadap derajat grafting maleat anhidrat pada HDPE dengan inisiator benzoil peroksida, Skripsi USU, Medan.
- Schuh, T., Gayer, U., 1997, Lignocellulosic-Plastics Composites, Botucatu. Brazil
- Susila, Dkk, 2011, *Biodegradable Plastics From a Mixture of LDPE and Cassava Starch With the Addition of Acrylic Acid* Universitas Syiah Kuala Darussalam, Banda Aceh
- Surdia T., (1995). Pengetahuan Bahan Teknik, Pradya paramita: Jakarta.
- Surono, U. B. 2013. *Berbagai Metode Konversi Sampah Plastik Menjadi Bahan Bakar Minyak*. Jurusan Teknik Mesin Universitas Janabadra. Yogyakarta
- Stevens, M. P. 2001. *Kimia Polimer*, Edisi Pertama. Jakarta: PradnyaParamita.
- Teguh Rahardjo, 2008, *Study Eksperimental Pemanfaatan Serat Rami (Boehmeria Nivea) Sebagai Bahan Penguat Komposit Polimer Matrik Polisterin*, Institut Teknologi Malang
- Yuniari, A., 2011, *Morfologi dan Sifat Fisika Polipaduan Low Density Polyethylene-Pati Tergrafting Maleat Anhidrat*, Jurnal Riset Industri, 5: 239-247
- Zhu Aiguo, 2014 Ramie (*Boehmeria nivea*) Production and Its Diverse Uses in China, Institute of Bast Fiber Crops, Chinese Academy of Agricultural Sciences (IBFC, CAAS)
- Zulfikar, 2010. *Kesetimbangan Larutan*. <http://www.chem-is-try.org>. (1 Agustus 2011).