

DAFTAR PUSTAKA

- Akay, M., (2012), *Introduction to Polymer Science and Technology*, Ventus Publishing ApS, Irlandia.
- BPS, (2015), Produksi padi tahun 2015 diperkirakan naik 6,64 %, <http://bps.go.id/brs/view/1157> (diakses pada tanggal 19 Oktober 2015).
- Brown, R., (2002), *Handbook of Polymer Testing Short-Term Mechanical Tests*, Rapra Technology Limited, UK.
- Bukit, N., Frida, E., dan Harahap, M. H., (2013), Preparation Natural Bentonite in Nano Particle Material as Filler Nanocomposite High Density Poliethylene (Hdpe), *Chemistry and Materials Research* **3 No.13, 2013** : 10-20.
- Chand, N., dan Jhod, B. D., (2008), Mechanical, Electrical, And Thermal Properties Of Maleic Anhydride Modified Rice Husk Filled PVC Composites, *BioResources* **3(4)** : 1228-1243.
- Dominic, M., Begum, P. M. S., Joseph, R., dan Jose, A. R., (2014), Rice Husk Silica- efficient Bio Filler in High Density Polyethylene, *International Journal of Advanced Scientific and Technical Research* **2(4)** : 561-569 **ISSN 2249-9954**.
- Fouad, H., Elleithy, R., Al-Zahrani, S. M., dan Ali, M. A., (2011), Characterization and processing of High Density Polyethylene/carbon nano-composites , *Materials and Design* **32 (2011)** : 1974 -1980.
- Frbiz, (2015), HDPE, <http://www.frbiz.com/image-hdpe-plastic-grains> (diakses pada tanggal 26 Oktober 2015).
- Ginting, E. M., Wirjosentono, B., Bukit, N., dan Agusnar, H., (2014), Preparation and Characterization of Rice Husk Ash as Filler Material in to Nanoparticles on HDPE Thermoplastic Composites , *Chemistry and Materials Research* **6 No.7, 2014** : 14-24.
- Ginting, E. M., Bukit, N., Siregar, M.A. (2015), Pengolahan dan Karakterisasi Zeolit Alam dan Abu Sekam Padi Sebagai Bahan Pengisi HDPE (High Density Polyethylene), *Chemistry and Materials Research* **7 No.2, 2015** : 20-27.
- Hafner, B., (2007), Scanning Electron Microscopy Primer, *Characterization Facility*, University of Minnesota—Twin Cities, 4/16/2007.

- Hansen, T., (2008), Rice Husk Ash, http://digitalfire.com/4sight/material/rice_husk_ash_1198.html (diakses pada tanggal 26 Oktober 2015).
- Islam , M. M., Kabir, H., Gafur, M. A., Bhuiyan, M. M. R., Kabir, M. A., Quadir, M. R., Ahmed, F., (2015), Study on Physio-Mechanical Properties of Rice Husk Ash Polyester Resin Composite, *International Letters of Chemistry, Physics and Astronomy* **53** : 95-105.
- Ismail, H., Mohamad, Z., dan Bakar, A. A., (2003), The Effect of Dynamic Vulcanization on Properties of Rice Husk Powder Filled Polystyrene/Styrene Butadiene Rubber Blends, *Iranian Polymer Journal* **1133 (1)** : 11-19.
- JEOL, (2005), A Guide to Scanning Microscope Observation, http://www.jeol.com/sem/docs/sem_guide/tbcontd.html (diakses pada tanggal 22 Oktober 2015).
- Kalapathy, U., A. Proctor, dan J. Shultz. (2000). A Simple Method For Production Of Pure Silica From Rice Hull Ash. *Biores. Tech.* **73**: 257-262.
- Khalf , A. I., dan Ward, A. A., (2010), Use Of Rice Husks as Potential Filler in Styrene Butadiene Rubber/Linear Low Density Polyethylene Blends in The Presence of Maleic Anhydride, *Materials and Design* **31(2010)** 2414–2421.
- Kord, B., (2011), Nanofiller Reinforcement Effects on The Thermal, Dynamic Mechanical, and Morphological Behavior of HDPE/Rice Husk Flour Composites, *BioResources* **6(2)** : 1351-1358.
- Kumar, B., Garg, R., dan Singh, Upinderpal (2012), Utilization Of Flyash As Filler In Hdpe/Flyash Polymer Composites: A Review, *International Journal of Applied Engineering Research* **7** : 1 - 4.
- Louis, N. S. M., dan Thomas S., (2013), Effect of rice husk ash on mechanical properties of low density polyethylene, *Journal of Scientific & Industrial Research* **72** : 441-445.
- Majid, R. A., Ismail, H., dan Taib, R. M., (2010), Effects of Polyethylene-g-maleic Anhydride on Properties of Low Density Polyethylene Thermoplastic Sago Starch Reinforced Kenaf Fibre Composites, *Iranian Polymer Journal* **19 (7)** 501-510.
- Mai, Y., dan Yu, Z., (2006), *Polymer Nanocomposites* , Woodhead Publishing Limited, Cambridge England.

- Material Cerdas, (2009), Teori Dasar *Scanning Electron Microscopy*, <http://materialcerdas.com/teori-dasar/scanning-electron-microscopy/>, (diakses pada tanggal 26 Oktober 2015).
- Najafi, S. K. dan Englund, K. R., (2013), Effect of Highly Degraded High-Density Polyethylene (HDPE) on Processing and Mechanical Properties of Wood Flour-HDPE Composites, *Journal Of Applied Polymer Science* **2013** : 34-4-3410 DOI: 10.1002/APP.390.
- 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, *Indonesian Journal Chemistry* **9 (3)** : 348-354.
- Pegoretti, A., Dorigato, A., dan Penati, A., (2007), Tensile mechanical response of polyethylene –clay nanocomposites, *eXPRESS Polymer Letters* **1** : 123-131.
- Saeedi, M., dan Sharani, S. J., (2011), Morphological and Thermal Properties of HDPE/CaCO₃ Nanocomposites : Effect of Content of Nano and MFI, *2011 International Conference on Nanotechnology and Biosensors* **25** : 34-38.
- Sarikanat, M., Sever, K. Erbay, E., Guiner, F., Tavman, I., Turgut, A., Seki, Y., dan Ozdemir, I., (2011) , Preparation And Mechanical Properties Of Graphite Filled Hdpe Nanocomposites, *achievements In Materials And Manufacturing Engineering* **50** : 120-124.
- Sperling L.H., (2006), *Introduction to Physical Polymer Science*, 4th ed., Wiley, New Jersey.
- Tuan,V. M., Jeong, D. W., Yoon, H. J., Kang, S. Y., Glang, N. V., Hoang, T., Thinh, T. I., dan Kim, M. Y., (2014), Using Rutile TiO₂ Nanoparticles Reinforcing High Density Polyethylene Resin, *Hindawi Publishing Corporation International Journal of Polymer Science* **2014** : 1 – 6.
- Turmanova, S. Ch., Genieva, S. D., Dimitrova, A. S., dan Vlaev, L. T., (2008), Non-Isothermal Degradation Kinetics Of Filled With Rise Husk Ash Polypropene Composites, *eXPRESS Polymer Letters* **2** : 133-146, No.2 (2008) 133–146.
- Wahyuni , R., Halim, A., dan Febronica, S., (2014), Studi Sistem Dispersi Padat Karbamazepin Menggunakan Campuran Polimer Peg 6000 dan HPMC dengan Metoda Pelarutan. “*Perkembangan Terkini Sains Farmasi dan Klinik IV*” tahun 2014. **2014** : 233-240.

Wikipedia, (2013), High-density polyethylene, (https://en.wikipedia.org/wiki/High-density_polyethylene (diakses pada tanggal 19 Oktober 2015)).

Wikipedia, (2013), <http://id.wikipedia.org/wiki/polietilenaglikol>, (diakses pada tanggal 22 oktober 2015).

Xanthos, M., (2005), *Fungsional Fillers for Plastics* , Wiley &Son , New York.

Yuniari, A., (2011), Morfologi dan Sifat Fisis Polipaduan LDPE-Pati Tergrafting Maleat Anhidrat, *Jurnal Riset Industri* **5** : 239-240.

Zebarjad, S. M, Sajjadi, S. A., Tahani, M., dan Lazzeri, A. (2006). A study on Thermal Behaviour of HDPE/CaCO₃ Nanocomposites, *Journal of Achievements in Materials and Manufacturing Engineering* **17** : 173-176.



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