

DAFTAR PUSTAKA

- [1] M. N. Subramanian, "Polymer Blends Polymer Blends," *Introd. to Polym. Compd. Raw Mater. (Vol 1)*, vol. 1, pp. 61–76, 2014.
- [2] H. Kargarzadeh, R. M. Sheltami, I. Ahmad, I. Abdullah, and A. Dufresne, "Cellulose nanocrystal: A promising toughening agent for unsaturated polyester nanocomposite," *Polymer (Guildf.)*, vol. 56, pp. 346–357, 2015.
- [3] M. S. Saharudin, I. Shyha, and F. Inam, "The effect of methanol exposure on the flexural and tensile properties of halloysite nanoclay polyester," *IRES 17th Int. Conf. United Kingdom*, vol. 4, no. November, pp. 40–44, 2015.
- [4] H. Ardhyanta *et al.*, "Mechanical and Thermal Properties of Unsaturated Polyester/Vinyl Ester Blends Cured at Room Temperature," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 202, no. 1, 2017.
- [5] R. O. Ebewe, *Polymer science and technology*. 2000.
- [6] T. C. Harris, "A Theoretical Model for the Self-Assembly of Amphiphilic Polyrotaxanes into Structured Aggregates," no. October 2017, 2019.
- [7] D. R. Paul and J. W. Barlow, "Polymer Blends (or Alloys).," *J. Macromol. Sci. Rev. Macromol. Chem.*, vol. C18, no. 1, pp. 109–168, 1980.
- [8] R. Albert, "Scale- free networks in cell biology," Oct. 2005.
- [9] "Pengertian, Sifat Dan Manfaat, Kegunaan Polimer. Penjelasan Contohnya | ardra.biz." [Online]. Available: <https://ardra.biz/sain-teknologi/ilmu-kimia/pengertian-sifat-dan-manfaat-kegunaan-senyawa-polimer/>. [Accessed: 24-Nov-2019].
- [10] H. Abrial, H. Andriyanto, R. Samera, S. M. Sapuan, and M. R. Ishak, "Mechanical Properties of Screw Pine (*Pandanus Odoratissimus*) Fibers- Unsaturated Polyester Composites," *Polym. - Plast. Technol. Eng.*, vol. 51, no. 5, pp. 500–506, 2012.
- [11] S. Mishra *et al.*, "Studies on mechanical performance of biofibre/glass reinforced polyester hybrid composites," *Compos. Sci. Technol.*, vol. 63, no. 10, pp. 1377–1385, 2003.
- [12] E. S. Nasr and A. -A A. Abdel-Azim, "The effect of curing conditions on the physical and mechanical properties of styrenated polyester," *Polym. Adv. Technol.*, vol. 3, no. 7, pp. 407–411, 1992.
- [13] P. T. Justus and S. Raya, "Y U K A L A C ®," pp. 1–2, 2006.
- [14] V. Arabli and A. Aghili, "Graphene oxide/vinyl ester resin nanocomposite:

The effect of graphene oxide, curing kinetics, modeling, mechanical properties and thermal stability,” *RSC Adv.*, vol. 6, no. 27, pp. 22331–22340, 2016.

- [15] C. Jang, T. E. Lacy, S. R. Gwaltney, C. U. Pittman, and H. Toghiani, “Molecular dynamics simulations of vinyl ester resin crosslinking,” *Collect. Tech. Pap. - AIAA/ASME/ASCE/AHS/ASC Struct. Struct. Dyn. Mater. Conf.*, no. November 2014, 2012.
- [16] C. Alia, J. A. Jofre-Reche, J. C. Suárez, J. M. Arenas, and J. M. Martín-Martínez, “Characterization of the chemical structure of vinyl ester resin in a climate chamber under different conditions of degradation,” *Polym. Degrad. Stab.*, vol. 153, pp. 88–99, 2018.
- [17] “Vinyl ester - Wikipedia.” [Online]. Available: https://en.wikipedia.org/wiki/Vinyl_ester. [Accessed: 24-Nov-2019].
- [18] D. Van-krevelen, *Properties of Polymers*. 1997.
- [19] F. A. Tanjung, S. Husseinsyah, K. Hussin, and I. Tahir, “Chemically chitosan modified with methyl methacrylate and its effect on mechanical and thermal properties of polypropylene composites,” *Indones. J. Chem.*, vol. 13, no. 2, pp. 114–121, 2013.
- [20] R. Fajrul, “Peningkatan Sifat Mekanik Dan Termal Dari Unsaturated Poliester Dengan Pencampuran Metil Metakrilat Dan Vinilester,” 2019.
- [21] “Methanol: Definition, Formula, Structure and Uses | Biology Dictionary.” [Online]. Available: <https://biologydictionary.net/methanol/>. [Accessed: 08-Nov-2019].
- [22] A. F. Asokawati, “Prarancangan Pabrik Metanol Dari Batubara Dengan Proses Gasifikasi Kapasitas Produksi 100.000 Ton/Tahun,” *Univ. Muhammadiyah Surakarta*, no. June, 2016.
- [23] G. Bud, E. Bangor, P. E. Thurlow, and A. E. Dailey, “United States Patent (19) Evacuating,” no. 19, 1984.
- [24] D. Rajput, L. Costa, K. Lansford, A. Terekhov, and W. Hofmeister, “Solution-cast high-aspect-ratio polymer structures from direct-write templates,” *ACS Appl. Mater. Interfaces*, vol. 5, no. 1, pp. 1–5, 2013.
- [25] H. Abral, R. Fajrul, M. Mahardika, and D. Handayani, “Improving impact , tensile and thermal properties of thermoset unsaturated polyester via mixing with methyl methacrylate and thermoset vinyl ester,” *Polym. Test.*, p. 106193, 2019.

- [26] P. Materials and E. I. Materials, “Standard Test Method for Tensile Properties of Plastics 1,” 2015.
- [27] A. Fauzen, “KEKUATAN IMPAK DAN ANALISIS PERMUKAAN PATAHAN POLIMER BLEND POLYESTER / VINYL,” 2019.
- [28] M. S. Saharudin, R. Atif, I. Shyha, and F. Inam, “The degradation of mechanical properties in halloysite nanoclay–polyester nanocomposites exposed to diluted methanol,” *J. Compos. Mater.*, vol. 51, no. 11, pp. 1653–1664, 2017.



