DAFTAR PUSTAKA

Ahmed, M. A., El-Shennawy, M., Althomali, Y. M., Omar, A. A., 2016, Effect of Titanium Dioxide Nano Particles Incorporation on Mechanical and Physical Properties on Two Different Types of Acrylic Resin Denture Base, *World Journal of Nano Science and Engineering*, 6: 111-119 (*Abstr.*).

Anusavice, K. J., Shen, C., Rawls, H. R., 2013, *Phillips' Science of Dental Materials*, 12th ed., Elsevier Saunders, Missouri, hal. 280, 495.

Ash, M., dan Ash, I., 2007, *Handbook of Fillers, Extenders, and Diluents*, 2nd ed., Synapse Information Resources, hal. 222.

Begum, K., dan Islam, M. A., 2013, Natural Fiber as a Substitute to Synthetic Fiber in Polymer Composites: A Review, *Res. J. Engineering Sci.*, 2(3): 46-53.

Bledzki, A. K., Sperber, V. E., Faruk, O., 2002, Natural and Wood Fibre Reinforcement in Polymers, *Rapra Review Reports*, 13(8): 1-21.

Bongarde, U. S., dan Shinde, V. D., 2014, Review on Natural Fiber Reinforcement Polymer Composites, *IJESIT*, 3(2): 431-436.

Campos, A., Marconcini, J. M., Martins-Franchetti, S. M., Mattoso, L. H. C., 2012, The Influence of UV-C Irradiation on The Properties of Thermoplastic Starch and Polycaprolactone Biocomposite with Sisal Bleached Fibers, *J.Polym.Degrad.Stab.*, 97(2012): 1948-1955.

Chandramohan, D., dan Marimuthu, K., 2011, A Review on Natural Fibers, *IJRRAS*, 8(2): 194-206.

Dahlan, M. S., 2008, *Statistik untuk Kedokteran dan Kesehatan: Deskriptif, Bivariat dan Multivariat Dilengkapi dengan Menggunakan SPSS*, ed. 3, Salemba Medika, Jakarta, hal. 71-73.

Duymus, Z. Y., Ozdogan, A., Ulu, H., Ozbayram, O., 2016, Evaluation the Vickers Hardness of Denture Base Materials, *OJST*, 6:114-119 (*Abstr.*).

Farina, A. P., Cecchin, D., Soares, R. G., Botelho, A. L., Takahashi, J. M. F. K., Mazzetto, M. O., Mesquita, M. F., 2012, Evaluation of Vickers Hardness of Different Types of Acrylic Denture Base Resins with and without Glass Fiber Reinforcement, *Gerodontology*, 29: 155-160.

Fernandes, E. M., Mano, J. F., Reis, R. L., 2013, Hybrid Cork-polymer Composites Containing Sisal Fibre: Morphology, Effect of the Fibre Treatment on the Mechanical Properties and Tensile Failure Prediction, *J.Comp.Struct.*, 105(2013): 153-162.

Fiore, V., Scalici, T., Nicoletti, F., Vitale, G., Prestipino, M., Valenza, A., 2015, A New Eco-friendly Chemical Treatment of Natural Fibres: Effect of Sodium Bicarbonate on Properties of Sisal Fibre and Its Epoxy Composites, *J.Comp.*, 85(B): 150-160.

Hadianto, E., Widjijono, Herliansyah, M. K., 2013, Pengaruh Penambahan *Polyethylene Fiber* dan Serat Sisal terhadap Kekuatan Fleksural dan Impak *Base Plate* Komposit Resin Akrilik, *IDJ*, 2(2): 57-67.

Hatrick, C.D., Eakle W. S., Bird, W.F., 2013, *Dental Materials Clinical Applications for Dental Assistants and Dental Hygienists*, 2nd ed., Elsevier, Missouri, hal. 219-220.

Iwu, M. M., 2012, *Handbook of African Medicinal Plants*, 2nd ed., CRC Press, Boca Raton, hal. 126.

Kabir, M. M., Wang, H., Lau, K. T., Cardona, F., 2012, Chemical Treatments on Plant-based Natural Fibre Reinforced Polymer Composites: An Overview, *J.Comp.*, 43(B): 2883-2892.

Kozt, J. C., Treichel, P. M., Townsend, J. R., 2009, *Chemistry and Chemical Reactivity*, Thomson Brooks/Cole, USA, hal. 780.

Kuntari, 2006, Optimalisasi Proses *Desizing*, *Scouring*, *Bleaching* dan *Caustisizing* Secara Simultan, Sistem *Pad-batch* pada Kain Rayon Viskosa, *Jurnal Sains Materi Indonesia*, hal. 118-123.

Lacerda, T. M., Zambon, M. D., Frollini, E., 2012, Effect of Acid Concentration and Pulp Properties on Hydrolysis Reactions of Mercerized Sisal, *J. Carbohydrate Polymers*, 93(2013): 347-356.

Li, X., Tabil, L. G., Panigrahi, S., 2007, Chemical Treatments of Natural Fiber for Use in Natural Fiber-Reinforced Composites: A Review, *J.Polym.Environ.*, 15: 25-33.

Liang, J. Z., 2013, Reinforcement and Quantitative Description of Inorganic Particulate-filled Polymer Composites, *J.Comp.*, 51(B): 224-232.

Liu, N., Wang, J., Yang, J., Han, G., Yan, F., 2015, Effects of Nano-sized and Micro-sized Carbon Fibers on the Interlaminar Shear Strength and Tribological Properties of High Strength Glass Fabric/Phenolic Laminate in Water Environment, *J.Comp.*, 68(B): 92-99.

Manappallil, J. J., 2010, *Basic Dental Materials*, 3rd ed., Jaypee Brothers Medical Publisher, New Delhi, hal. 131, 393-397.

McCabe, J. F., dan Walls, A. W. G., 2008, *Applied Dental Materials*, 9th ed., Blackwell Publishing, Oxford, hal. 110-113, 121, 200.

Modibbo, U. U., Aliyu, B. A., Nkafamiya, I. I., 2009, The Effect of Mercerization Media on the Physical Properties of Local Plant Bast Fibres, *Int.J.Phys.Sci.*, 4(11): 698-704.

Mohammed, M. H., dan Dauda, B., 2014, Unsaturated Polyester Resin Reinforced with Chemically Modified Natural Fibre, *IOSR-JPTE*, 1(4): 31-38.

Morán, J. I., Alvarez, V. A., Cyras, V. P., Vázquez, A., 2008, Extraction of Cellulose and Preparation of Nanocellulose from Sisal Fiber, *J.Cellulose*, 15(2008): 149-159.

Pratiknya, A. W., 2007, *Dasar-dasar Metodologi Penelitian Kedokteran dan Kesehatan*, Grafindo Persada, Jakarta.

Purwanto, Astuti, W. D., Sosiati, H., Triyana, K., 2014, Karakteristik Morfologi dan Strukturmikro Serat Kenaf (*Hibiscus Cannabinus L.*) Akibat Perlakuan Kimia, *Prosiding Pertemuan Ilmiah*, 66-69.

Ramadevi, P., Sampathkumar, D., Srinivasa, C. V., Bennehalli, B., 2012, Effect of Alkali Treatment on Water Absorption of Single Cellulosic Abaca Fiber, *Bioresources*, 7(3): 3515-3524.

Ratner, B. D., Hoffman, A. S., Schoen, F. J., Lemons, J. E., 2004, *Biomaterials Science: an Introduction to Materials in Medicine*, 2nd ed., Elsevier Academic Press, Cina, hal. 182.

Robbins, R., 2010, *Scanning Electron Microscope Operation*, University of Texas, Dalas, hal. 10-16, 47-48.

Sakaguchi, R. L., dan Powers, J. M., 2012, *Craig's Restorative Dental Materials*, 13th ed., Elsevier, Philadelphia, hal. 48-49, 89-91, 164, 191-192.

Samuel, O. D., Agbo, S., Adekanye, T. A., 2012, Assesing Mechanical Properties of Natural Fibre Reinforced Composites for Engineering Applications, *JMMCE*, 11: 780-784.

Santoso, B., 2009, Peluang Pengembangan Agave Sebagai Sumber Serat Alam, *Perspektif*, 8(2): 84-95.

Subyakto, Masruchin, N., Prasetiyo, K. W., Ismadi, 2013, Utilization of Micro Sisal Fibers as Reinforcement Agent and Polypropylene or Polylactic Acid as Polymer Matrices in Biocomposites Manufacture, *Journal of Forestry Research*, 10(1): 11-20.

Sunarintyas, S., Siswomihardjo, W., Martosudjijo, W., Irnawati, D., Zhang, M., Matinlinna, J. P., 2012, Effect of New Resin Matrix System on Fiber-Reinforced Composites, http://fkg.ugm.ac.id/eng/wp-content/uploads/Naskah%20frc-13JULI2012.pdf, (14/04/2017).

Supriadi, H., 2012, Pemanfaatan Partikel Tempurung Kemiri sebagai Bahan Penguat pada Komposit Resin Poliester, *Jurnal Mechanical*, 3(1): 1-5.

Sutrisno, 2016, Pengaruh Ukuran Partikel Serbuk Boronisasi pada Morfologi dan Kekerasan Mikro Lapisan Besi Borida, *Al-Fiziya*, 9(2): 90-96.

Van Noort, R., 2007, *Introduction to Dental Materials*, 3rd ed., Elsevier, Philadelphia, hal. 48, 79, 221-222.

Widiartha, I. G., Sari, N. H., Sujita, 2012, *Study* Kekuatan *Bending* dan Struktur Mikro Komposit *Polyethylene* yang Diperkuat oleh *Hybrid* Serat Sisal dan Karung Goni, *Dinamika Teknik Mesin*, 2(2): 92-99.

Xu, J., Cong, L., Li, Y., 2011, Fabrication and Mechanical Properties of Short Sisal Fiber Reinforced Composite Used for Dental Application, *ICCM*, 2011: 1-5.

Yovanovich, M. M., 2006, Micro and Macro Hardness Measurements, Correlations, and Contact Models, *AAIA*, 2006: 1-28.