

## DAFTAR PUSTAKA

- Adnan, S., Azhar, A.H., Jasmani, L. dan Samsudin, M.F., 2018, Properties of Paper Incorporated with Nanocellulose Extracted Using Microbial Hydrolysis Assisted Shear Process, *IOP Conf. Series: Materials Science and Engineering*, 368, 1 – 8.
- Agusnar, H, 2004, Penentuan Derajat Kristalinitas Larutan Kitin dengan Variasi Waktu Penyimpanan Menggunakan Difraksi Sinar-X (XRD), *Jurnal Sains Kimia*, 2,8, 43 – 45.
- Catanzano, O., Acierno, S., Russo, P., Cervasio, M., Del Basso De Caro, M., Bolognese, A., Summartino, G., Califano, L., Marenzi, G., Calignano, A., Acierno, D. dan Quaglia, F., 2014, Melt-spun Bioactive Sutures Containing Nanohybrids for Local Delivery of Anti-inflammatory Drugs, *Materials Science and Engineering*, 43, 300 – 309.
- Chellamani, K.P., Veerasubramanian, D. dan Vignesh Balaji, R.S., 2013, Surgical Suture: An Overview. *J. Acad. Indus. Res*, 1, 12, 778 – 782.
- Effendi, D.B., Rosyid, N.H., Nandiyanto, A.B.D. dan Mudzakir, A., 2015, Review: Sintesis Nanoselulosa, *Jurnal Integrasi Proses*, 2, 5, 61 – 74.
- Fraunhofer, J.A.V., Storey, R.S., Stone, I.K. dan Masterson, B.J., 1985, Tensile Strength of Suture Materials, *Biomedical Materials Research*, 19, 595-600
- Ghasemi, S., Tajvidi, M., Bousfield, D.W. dan Gardner, D.J., 2018, Reinforcement of Natural Fiber Yarns by Cellulose Nanomaterials: A Multiscale Study, *Industrial Crops & Product*, 111, 471 – 481.
- Gian A, A., Farid, M. dan Ardhyanta, H., 2017, Isolasi Selulosa dari Serat Tandan Kosong Kelapa Sawit untuk Nano Filler Komposit Absorpsi Suara Analisis FTIR, *Jurnal Teknik ITS*, 2,6, 228 – 231.
- Iwamoto, S., Isogai, A. dan Iwata, T., 2011, Structure and Mechanical Properties of Wet-Spun Fibers Made from Natural Cellulose Nanofibers, *Biomacromolecules*, 12, 831 – 836.
- Laure´n, P., Somersalo, P., Pitkänen, I., Lou, Y.R., Urtti, A., Partanen, J., Seppälä, J., Madetoja, M., Laaksonen, T., Mäkitie, A. Dan Yliperttula, M., 2017, Nanofibrillar Cellulose-Alginate Hydrogel Coated Surgical Sutures as Cell-carrier Systems, *PLoS ONE*, 12, 8, 1 – 17.

- Lee, H.V., Hamid, S.B.A. dan Zain, S.K., 2014, Conversion of Lignocellulosic to Nanocellulose: Structure and Chemical Process, *The Scientific World Journal*, 27, 1 – 20.
- Lee, K.Y., Jeong, L., Kang, Y.O., Lee, S.J. dan Park, W.H., 2009, Electrospinning of Polysaccharides for Regenerative Medicine, *Advanced Drug Delivery*, 61, 1020 – 1032.
- Maleki, H., Gharehaghaji, A.A. dan Dijkstra, P.J., 2017, Electrospinning of Continuous Poly (L-lactide) Yarns: Effect of Twist on The Morphology, Thermal Properties and Mechanical Behavior, *Journal of The Mechanical Behavior of Biomedical Material*, 71, 231 – 237.
- Marin, E., Rojas, J. dan Ciro, Y., 2014, A Review of Polyvinyl Alcohol Derivatives: Promising Materials for Pharmaceutical and Biomedical Application, *African Journal of Pharmacy and Pharmacology*, 24, 8, 674 – 684
- Mcmahon, G., 2007, *Analytical Instrumentation: A Guide to Laboratory, Portable and Miniaturized Instruments*, John Wiley and Sons Ltd, England.
- Nasar, G., Khan, M.H. dan Khalil, U., 2009, Structural Study of PVA Composites with Inorganic Salts By X-Ray Diffraction, *J Pak Mater Soc*, 3, 67 – 70.
- Odian, G., 2004, *Principles of Polymerization 4<sup>th</sup>ed*, John Willey & Son, New Jersey.
- Perez, J., Munoz-Dorado, J., de la Rubia, T., dan Martinez, J., 2002, Biodegradation and Biological Treatments of Cellulose, Hemicellulose and Lignin, An Overview. *Int Microbiol*, 5, 53 – 63.
- Ramakrishna, S., Fujihara, K., Teo, W.E., Lim, T.C., dan Ma, Z., 2005, *An Introduction to Electrospinning and Nanofibers*, World Scientific Publisher, Singapore.
- Renouard, S., Hano, C., Ouagne, P., Doussot, J., Jean-Philippe, B. dan Laine, E., 2017, Cellulose Coating and Chelation of Antibacterial Compounds for The Protection of Flax Yarns Against Natural Soil Degradation, *Polymer Degradation and Stability*, 138, 12 – 17.
- Rohaeti, E, 2009, Karakterisasi Biodegradasi Polimer, *Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA UNY*, Yogyakarta.
- Sameni, J., Krigstin, S., Rosa, D.S., Leao, A. Dan Sain, M., 2014, Thermal Characteristics of Lignin Residue from Industrial Processes, *Bioresources*, 9, 725 – 737.

- Sastranegara, A., 2009, Mengenal Uji Tarik dan Sifat-sifat Mekanik Logam, *Jurnal Situs Informasi Mekanika, Material dan Manufaktur*, 8, 1 – 6.
- Satriawan, N.E. dan Ferdian, M., 2015, Elektrospinning Nanoselulosa Sebagai Material Benang Operasi dan Sistem Penghantar Obat, *Jurnal Nanomaterial dan Ilmu Bahan Medis*, 1 – 13.
- Silva, E.M.D., Giselle, S.A., Laiza, T.P., Jose, A.G, 2008, Relationship Between The Degree of Conversion, Solubility and Salivary Sorption of A Hybrid and a Nanofilled Resin Composite. *Journal Appl Oral Sci*, 16, 161 – 166.
- Singh, R. dan Hawkins, W., 2017, Sutures, Ligeratures and Knots, *Surgery*, 35, 185-189.
- Singhal, J.P., Singh, H. dan Ray. A.R., 1988, Absorable Suture Materials: Preparation and Properties, *Journal of Macromolecular Science*, C28, 475-502.
- Sjostrom, E., 1995, *Kimia Kayu: Dasar-dasar dari Penggunaan*, Gadjah Mada Press, Yogyakarta
- Srinivasulu, K. dan Khumar, N.D., 2014, A Review on Properties of Surgical Sutures and Applications in Medical Field, *IMPACT: International Journal of research in Engineering & Technology*, 2, 85-96.
- Sudisma, I.G.N, 2017, Jahit Menjahit dalam Pembedahan, *Seminar Nasional Asosiasi Dokter Bedah Veteriner Indonesia (ADBVI)*, Surabaya.
- Sulam, A.L., 2008, *Teknik Pembuatan Benang dan Pembuatan Kain Jilid 1*, Direktorat Pembinaan Sekolah Menengah Kejuruan, Jakarta.
- Suryanto, H., 2016, Review Serat Alam: Komposisi, Struktur, dan Sifat Mekanis, *Artikel*, Malang: Universitas Negeri Malang.