

DAFTAR PUSTAKA

- Akay, Mustafa, 2012, *Introduction to Polymer Science and Technology*, ISBN 978-87-403-0087-1.
- Andrady, A. L., 2008, *Science and Technology of Polymer Nanofibers*, New Jersey: John Wiley & Sons, Ins.
- Baumgarten, P. K., 1971, Electrostatic Spinning of Acrylic Microfibers, *J. Colloid Interf. Science*, 36, 75-79.
- Blinov, L. M., 2011, *Structure and Properties of Liquid Crystals*, Moscow: Springer.
- Buchko, C. J., Chen, L. C., Shen, Y., Martin, D. C., 1999, Processing and microstructural characterization of porous biocompatible protein Polymer Thin Films, *Polymer*, 40, 7397-7407.
- Chandrasekhar, Sivaramakrishna., 1992, *Liquid Crystals*, Cambridge: Cambridge University Press.
- Cristaldi, D. J. R., Pennisi, S., Pulvirenti, F., 2009, *Liquid Crystal Display Drivers*, Catania: Springer.
- Drexler, Eric., 1986, *Engines of Creation : The Coming Era of Nanotechnology*, US: Doubleday.
- Ebewel, R. O., 1996, *Polymer Science and Technology*, New York: CRC Press.
- Fira, A., Harsojo, 2014, karakterisasi Nanofiber Fe₃O₄/PVA dengan Spektrometer, *Prosiding Pertemuan Ilmiah XXVIII HFI Jateng & DIY*, 28, 108-111.
- Harini, Harsojo, Triyana. K., 2013, Studi pembuatan PVA Nano Fiber dengan Electrospinning, *Prosiding Pertemuan Ilmiah XXVII HFI Jateng & DIY*, 27, 16-19.
- Harper, C. A., Petrie, E. M., 2003, *Plastics Materials and Processes : A Concise Encyclopedia*, New York: Wiley.
- Kameoka, J., Orth, R., Yang, Y., Czaplewski, D., Mathers, R., Coates, G., Craighead, H. G., 2003, A scanning tip electrospinning source for deposition of Oriented nanofibres, *Nanotechnology*, 14, 1124-1129.
- Katta, P., Alessandro, M., Ramsier, D., Chase, G. G., 2004, Continuous Electrospinning of Aligned Polymer Nanofibers onto a Wire Drum Collector, *Nano Letters*, Vol. 4, No. 11, 2215-2218.

- Kawamoto, H., 2002, The History of Liquid Crystal Displays, *Proceedings of the IEEE*, Vol. 90, No. 4, 460-500.
- Kenawy, E. R., Bowlin, G. L., Mansfield, K., Layman, J., Simpson, D. G., Sanders, E. H., Wnek G. E., 2002, Release of Tetracycline Hydrochloride from Electrospun poly(ethylene-co-vinylacetate), poly(lactic acid), and a blend, *J. Controlled Release*, 81, 57-64.
- Kim, K. W., Lee, K. H., Khil, M. S., Ho, Y. S., Kim, H. Y., 2004, The effect of molecular weight and the linear velocity of drum surface on the properties of electrospun poly(ethylene terephthalate) nonwovens, *Fibers and Polymers*, Vol. 5, No. 2, 122-127.
- Kusumasari, E. M., 2015, Kajian Sifat Optik Kristal Cair yang Terorientasi Sejajar Menggunakan Serat Nano, *Skripsi*, MIPA, Universitas Gadjah Mada, Yogyakarta.
- Lewin, Manachem, 2006, *Handbook of Fiber Chemistry*, 3rd ed, US: CRC Press.
- Li, D., Wang, Y., Xia, Y., 2003, electrospinning of Polymeric and ceramic Nanofibres as Uniaxially Aligned Arrays, *Nano letters*, Vol.3, No.8, 1167-1171.
- Lin, Tong., 2011, *Nanofibers- Production, properties and functional applications*, Criatia: Intech.
- Liu, L., Dzenis, Y. A., 2008, Analysis of the effect of the residual charge and gap size on Electrospun nanofiberalignment in a gap Method, *Nanotechnology*, 19, 1-7.
- Meng, Z. X., Wang, Y. S., Ma, C., Zheng, W., Li, L., Zheng, Y. F., 2010, Electrospinning of PLGA/gelatin randomly-oriented and aligned Nanofibers as Potential Scaffold in Tissue Engineering, *Material Science and Engineering C*, 30, 1204-1210.
- Mikrajuddin, A., Khairurrijal., 2010, *Karakterisasi nanomaterial: Teori, Penerapan, dan Pengolahan data*, Bandung : CV. Rezeki Putra.
- Munir, M. M., 2013, Sintesis Nanofiber dengan Elektrosinning dan Aplikasinya, *Seminar Nasional Material 2013*, 1-4.
- Mutia, T., Eriningsih, R., 2012, Penggunaan webs serat alginat/PVA hasil Proses Elektrosinning untuk Pembalut Luka, *Jurnal Riset Industri*, Vol. VI, No. 2, 137-147.

- Nastiti, Y., 2010, Studi Pembuatan dan Karakterisasi sampel Kristal Cair Nematik, *Skripsi*, MIPA, Universitas Gadjah Mada, Yogyakarta.
- Nien, Y. H., Chen, Z. B., Liang, J. I., Yen, M. L., Hsu, H. C., Su, F. C., 2009, Fabrication and cell Affinity of Poly(vinyl) Alcohol nanofibers via Elektrosinning, *Journal of Medical and Biological Engineering*, 29, 2, 98-101.
- Ogur, E., Goodship, V., 2005, Polymer Processing with Supercritical Fluids, *Rapra Review Reports*.
- Ramakhrisna, S., Fujihara, K., Teo, W-E. & Lim, T.C., 2005. *An introduction to electrospinning and nanofibers*. singapore; World Scientific Publisher.
- Reneker, D. H., Chun, I., 1996, Nanometre diameter fibres of polymer produced by electrospinning, *Nanotechnology*, 216-223.
- Saehana, S., Abdullah, M., Khairurrijal, Simulasi Fabrikasi serat Nano dengan Metode Pemintalan Elektrik : Pengaruh Jarak Nozzle-Kolektor, *Jurnal Nanosains & Nanoteknologi*, Vol. 2, No. 2, 74-82.
- Sheftel, V. O., 2000, *Indirect Food Additives and Polymers : Migration and Toxicology*, US: CRC Press.
- Shenoy, S. L., Bates, W. D., Frisch, H. L., Wnek, G. E., 2005, Role of Chain Entanglements on fiber formation during electrospinning of polymer solutions: good solvent, non-specific polymer-polymer interaction Limit, *Polymer*, 46, 3372-3384.
- Siburian, R. A. F., Simbolon, T. R., 2008, *Polimer : Ilmu Material*, Medan: USU Press.
- Stanger, J., Tucker, N., Staiger, M., 2005, Electrospinning, *Rapra review Reports*, Vol. 10, No. 10.
- Takase, N., Aoki, T., Hatta, H., Fukuda, H., 2007, Alignment control of Carbon Nanofibers using Liquid Crystals, *16th International Conference on Composite Materials*, Japan.
- Teo, W-E., Inai, R., Ramakrishna, S., 2011, Technological advances in Electrospinning of nanofibers, *Science and Technology of Advanced Materials*, 12, 1-19.
- Teo, W. E., Ramakrishna, S., 2006, A review on Electrospinning Design and Nanofibre Assemblies, *Nanotechnology*, 17, 89-106.

- Toan, D. Q., Ozaki, R., Moritake, H., 2014, Director Orientation of nematic Liquid Crystal using Oriented Nanofibers Obtained by Electrospinning, *Japanese Journal of Applied Physics*, 53, 1-4.
- Verduzco, R., 2007, Self-Assembled Liquid Crystal Polymer Gels, *Thesis*, California Institute of Technology, Pasadena, California.
- Xia, Y. N., Yang, P. D., Shun, Y. G., Wu, Y. Y., Mayers, B., Gates, B., Yin, Y. D., Kim, F., Yan, Y. Q., 2003, *Advanced Material*, 15, 353-389.
- Yan, H., Liu, L., Zhang, Z., 2009, Alignment of Electrospun Nanofibers using Dielectric Materials, *Applied Physics Letters*, 95, 1-3.
- Yang, D. K., Wu, S. T., 2006, *Fundamental of Liquid Crystal Devices*, USA: John Wiley & Sons, Ltd.
- Zeng, J., Xu, X., Chen, X., Liang, Q., Bian, X., Yang, L., Jing, X., 2003, Biodegradable electrospun fibers for drug delivery, *J. Control. Release*, 92, 227-331.
- Zhong, X. H., Kim, K. S., Fang, D. F., Ran, S. F., Hsio, B. S., Chu, B., 2002, Structure and process relationship of electrospun bioabsorbable nanofibre membranes, *Polymer*, 43, 4403-4412.