

DAFTAR PUSTAKA

- Adams, J.M., 2005, Statistical models of elasticity in main chain and smectic liquid crystal elastomers, *Disertasi*, Fitzwilliam College, University of Cambridge.
- Anonim, 2009, *Buku Panduan Penulisan Tugas Akhir*, Universitas Gadjah Mada, Yogyakarta.
- Bispo, M., Guillon, D., Donnio, B., dan Finkelmann, H., 2008, Main-Chain Liquid Crystalline Elastomers: Monomer and Cross-linker Molecular Control of the Thermotropic and Elastic Properties, *Macromolecules*, 9, 41, 3098-3108
- Blinov, L.M., 2011, *Structure and Properties of Liquid Crystals*, Springer Science, New York.
- Blundell, D.J., Beckett, D.R., Willcocks, P.H., 1981, Routine Crystallinity Measurements of Polymers by DSC, *Polymer*, 22, 704-707
- Bower, D.I., 2002, *An Introduction to Polymer Physics*, Cambridge University Press, Cambridge.
- Chandrasekar, S., 1992, *Liquid Crystals*, Second Edition, Cambridge University Press, Cambridge.
- Chen, R.H., 2011, *Liquid Crystal Displays : Fundamental Physics & Technology*, John Wiley & Sons, Inc., New Jersey.
- De-Gennes, P.G., Prost, J., 1993, *The Physics of Liquid Crystals*, Oxford University Press, Oxford.
- De-Jeu, W.H., 2012, *Liquid Crystal Elastomers: Material and Applications*, Springer, Heidelberg
- Dey, S., Agra-Kooijman, D.M., Ren, W., McMullan, P.J., Griffin, A.C., Kumar, S., 2013, Soft Elasticity in Main Chain Liquid Crystal Elastomers, *Crystals*, 3, 363-390
- Doi, M., 1995, *Introduction to Polymer Physics* (diterjemahkan oleh See, H), Oxford University Press, New York
- Donald, A.M., Windle, A.H., Hanna, S., 2005, *Liquid Crystalline Polymers*, Cambridge University Press, Cambridge.
- Finkelmann, H., Kock, H.J., Rehage, G., Liquid Crystalline Elastomers – A New Type of Liquid Crystalline Material, 1981, *Makromol. Chem.*, 2, 317-322
- Finkelmann, H., Rehage, G., Synthesis and Characterization of Linear Polymers, 1980, *Makromol. Chem.*, 1, 31-34

Flory, P.J., 1953, *Principles of Polymer Chemistry*, Cornell University Press, New York.

Gedde, U.W., 1995, *Polymer Physics*, Chapman & Hall, London.

Gharde, R.A., Mani, S.A., Lal, S., Khosla, S., Tripathi, S.K., 2015, Synthesis and Characterization of Liquid Crystal Elastomer, *Materials Sciences and Applications*, 6, 527-532

Gray, A.P., 1970, Polymer Crystallinity Determination by DSC, *Thermochim. Acta*, 1, 563-579

Haines, P.J., 2002, *Principles of Thermal Analysis and Calorimetry*, The Royal Society of Chemistry, Cambridge

Hashimoto, S., Yusuf, Y., Krause, S., Fikelmann, H., Cladis, P.E., Brand, H.R., Kai, S., 2008, Multifunctional liquid crystal elastomers: Large electromechanical and electro-optical effects, *Appl. Phys. Lett.*, 92, 181902

Jia, Y., Zhang, B., Zhou, E., Feng, Z., Zang, B., Synthesis and Characterization of Network Liquid Crystal Elastomers and Thermosets, 2001, *J Appl Polym Sci*, 85, 1104-1109

Kawamoto, H., 2002, The History of Liquid-Crystal Displays, *Proceedings Of The IEEE*, 4 April 2002, 460-500

Khoo, I.C., 2007, *Liquid Crystals*, John Wiley & Sons, Inc., New Jersey.

Kong, Y., Hay, J.N., 2003, The enthalpy of fusion and degree of crystallinity of polymers as measured by DSC, *European Polymer Journal*, 39, 1721-1727

Kupfer, J., Finkelmann, H., 1991, Nematic Liquid Single Crystal Elastomers, *Makromol. Chem.*, 12, 717-726

Parman, 2014, Kajian Dinamika Swelling dari Sampel-Sampel Planar Main-Chain Liquid Crystal Elastomer (MC-LCE) yang Dilarutkan dalam Kristal Cair Nematik, *Skripsi*, Fakultas MIPA UGM, Yogyakarta.

Rubinstein, M., Colby, R.H., 2003, *Polymer Physics*, Oxford University Press, London

Sharfina, T., 2012, Kajian Eksperimental Efek-Efek Termo-Mekanik pada Main-Chain Liquid Crystal Elastomer (MCLCE) yang Diberi Beban dengan Fungsi Crosslinker, *Skripsi*, Fakultas MIPA UGM, Yogyakarta

Singh, S., 2002, *Liquid Crystals: Fundamentals*, World Scientific Publishing Co. Pte. Ltd., Singapore.

Sperling, L.H., 2006, *Introduction to Physical Polymer Science*, John Wiley & Sons, Inc., New Jersey

Stephen, M.J., Straley, J.P., 1974, Physics of Liquid Crystals, *Rev. Mod. Phys.*, 4, 46, 617-704

Supardi., Yusuf, Y., Harsoyo., 2015, Characterization of Main-Chain Liquid Crystal Elastomers by Using Differential Scanning Calorimetry (DSC) Method, *Advanced Materials Research*, 1123, 69-72

Thomsen, D.L., Keller, P., Naciri, J., Pink, R., Jeon, H., Shenoy, D., Ratna, B.R., 2001, LCE with Mechanical Properties of a Muscle, *Macromolecules*, 34, 17, 5868-5875

Wang, X.J., Zhou, Q.F., 2004, *Liquid Crystalline Polymers*, World Scientific Publishing Co. Pte. Ltd, Singapore

Warner, M., Terentjev, E.M., 2003, *Liquid Crystal Elastomers*, Revised Edition, Oxford University Inc., New York

Yang, D.K., Wu, T.S., 2006, *Fundamentals of Liquid Crystal Devices*, John Wiley & Sons Ltd, West Sussex