

## DAFTAR PUSTAKA

- Anderson, V., J., Terentjev, E. M., Meeker, S. P., Crain, J. dan Poon, W. C. K., 2001, Cellular solid behaviour of liquid crystal colloids 1. Phase separation and morphology. *The European Physical Journal E*, 4(1), 11–20.
- Blinov, L.M., 1983, *Electro-optical and Magneto-optical Properties of Liquid Crystals*, The Universities Press, Belfast.
- Blinov, L. M. dan Chirginov, V. G., 1994, *Electrooptic Effects in Liquid Crystal Materials*, Springer, New York.
- Brochard, F., 1973, Backflow Effects in Nematic Liquid Crystals, *Molecular Crystals and Liquid Crystals*, 23(1–2), 51–58.
- Buka, Á., Éber, N., Pesch, W., dan Kramer, L., 2007, Isotropic and anisotropic electroconvection, *Physics Reports*, 448, 115-132.
- Chandrasekar, S., 1992, *Liquid Crystals*, 2<sup>nd</sup> edition, Cambridge University Press, Cambridge.
- Collings, P.J. dan Hird, M., 1997, *Introduction to Liquid Crystals*, Taylor & Francis, Bristol.
- De Gennes, P.G. dan Prost, J., 1993, *The Physics of Liquid Crystals*, Clarendon Press, Oxford.
- Demus, D., Goodby, J., Gray, G.W., Spiess, H-W., dan Vill, V., 1998, *Handbook of Liquid Crystals*, Wiley-VCH, Weinheim.
- Hirakawa, K. dan Kai, S., 1977, Analogy Between Hydrodynamic Instabilities in Nematic Liquid Crystal and Classical Fluid, *Molecul Crystal Liquid Crystal*, 40, 261–284.
- Horikawa, A. dan Huh, J-H., 2019, Traveling waves in one-dimensional electroconvection of nematic liquid crystals, *Journal of the Physical Society of Japan*, 88(3), 1–6.
- Huh, J-H., Yusuf, Y., Hidaka, Y., dan Kai, S., 2002, Prewavy instability of nematic liquid crystal in high-frequency electric field, *Physical Review E*, 66, 031705, 1-6.

- Huh, J-H., Kuribayashi, A. dan Kai, S., 2009, Noise-controlled pattern formation and threshold shift for electroconvection in the conduction and dielectric regimes, *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 80(6), 1–9.
- Kai, S. dan Hirakawa, K., 1976a, Phase Diagram of Dissipative Structure in the Nematic Liquid Crystal Under AC Field, *Solid State communications*, 18, 1573–1577.
- Kai, S., Yoshitsune, N., dan Hirakawa, K., 1976b, The Instability of the Flow in a Nematic Liquid Crystal MBBA, *Journal of The Physical Society of Japan*, 40, 267–273.
- Khoo, I-C., 1995, *Liquid Crystals*, Second Edition, John Wiley & Sons, New Jersey.
- Mahendra, B., Nugroho, F., Yusuf, Y., 2018, Low-frequency electrohydrodynamic convection patterns in nematic liquid crystal aligned using parallel-oriented nanofiber, *Japanese Journal of Applied Physics*, 57, 02171, 1–4.
- Mahendra, B., Nugroho, F., Yusuf, Y., 2019, Translational flow in the low-frequency regime of electroconvection in parallelepiped sandwich cell of planar liquid crystal, *Japanese Journal of Applied Physics*, 58, 128005, 1–3.
- Mahendra, B., 2020, Efek Elektrohodinamika Frekuensi Rendah pada Kristal Cair Nematik untuk Sel Termodifikasi Nanofiber sebagai Lapisan Penyearah dan Sel *Parallelepiped*, *Disertasi*, Departemen Fisika FMIPA UGM, Yogyakarta.
- Mieda, Y. dan Furutani, K., 2006, Micromanipulation Method using Backflow Effect of Liquid Crystals, *IEEE Int. Symp. on MicroNanoMechanical and Human Science*, 1–6.
- Morris, R., Jones, J.C., Nagaraj, M., 2020, Variable pitch hydrodynamic electro-optic gratings utilizing bent liquid crystal dimers, *Soft Matter*, 16, 10439–10453.
- Penz, P.A., 1970, Voltage-induced Vorticity and Optical Focusing in Liquid Crystals, *Physical Review Letter*, 24(25), 1405–1409.
- Sato, Y., Sato, K. dan Uchida, T., 1992, Relationship between Rubbing Strength and Surface Anchoring of Nematic Liquid Crystal, *Japanese Journal of Applied Physics*, 31(5), L579–L581.

- Singh, S., 2002, *Liquid Crystals Fundamentals*, World Scientific Publishing, Farrer Road.
- Toan, D.Q., Ozaki, R. dan Moritake, H., 2014, Director orientation of nematic liquid crystal using orientated nanofibers obtained by electrospinning, *Japanese Journal of Applied Physics*, 53, 01AE03, 1–4.
- Treiber, M. dan Kramer, L., 1995, Bipolar electrodiffusion model for electroconvection in nematics, *Molecular Crystals and Liquid Crystals Science and Technology. Section A. Molecular Crystals and Liquid Crystals*, 261(1), 311–326.
- Treiber, M., Éber, N., Buka, Á., Kramer, L., 1997, Travelling Waves in Electroconvection of the Nematic Phase 5: A Test of the Weak Electrolyte Model. *Journal de Physique II*, 7(4), 649–661.
- Verduzco R., 2007, Self Assembled Liquid Crystal Polymer Gels, *Dissertation*, California Institute of Technology, USA.
- Violette, D., De Gennes, dan Parodi. (1971). Hydrodynamic Instabilities of Nematic Liquid Crystals under AC Electric Fields. *Journal de Physique*, 32(4), 305.
- Warner, M. dan Terentjev, E.M., 2003, *Liquid Crystal Elastomers*, Clarendon Press, Oxford.
- Williams, R., 1963, Domains in liquid crystals, *The Journal of Chemical Physics*, 39(2), 384–388.
- Yang, D-K. dan Wu, S-T., 2006, *Fundamentals of Liquid Crystal Devices*, John Wiley & Sons, Chichester.
- Yusuf, Y., Kusumasari, E. M., Ula, N. M., Jahidah, K., Triyana, K., Sosiati, H., dan Harsojo, 2016, Optical properties of planar nematic liquid crystals samples which are parallel oriented by nanofibers, *AIP Conference Proceedings*, 1725(020103), 0–5.