DAFTAR PUSTAKA

[1] Malcolm P. Stevens, *Polymer Chemistry: An Introduction, 3rd Edition*, 3rd ed. New York, 1999.

[2] M. F. Rozy Hentihu, "Rancang Bangun Mesin Electrospray Untuk Fabrikasi Serat Nano Berbasis Polimer," 2014.

[3] A. Suhendi, M. M. Munir, A. B. Suryamas, A. B. D. Nandiyanto, T. Ogi, and K. Okuyama, "Control of cone-jet geometry during electrospray by an electric current," *Adv. Powder Technol.*, vol. 24, no. 2, pp. 532–536, 2013.

[4] Fikri Rangga Halim, "Rancang Bangun Syringe Pump Menggunakan Motor Stepper Berbasis Arduino," 2016.

[5] V. M. MSV Appaji, Shivakanth Reddy G, Arunkumar S, "An 8051 Microcontroller Based Syringe Pump Control System For Surface Micromachining," vol. 5, pp. 1791–1800, 2014.

[6] A. Bayu, D. Nandiyanto, and K. Okuyama, "Progress in developing spray-drying methods for the production of controlled morphology particles : From the nanometer to submicrometer size ranges," *Adv. Powder Technol.*, vol. 22, no. 1, pp. 1–19, 2011.

[7] M. Zare, B. Niroumand, A. Maleki, and A. R. Allafchian, "Sol-gel synthesis of amorphous SiOC nanoparticles from BS290 silicone precursor," *Ceram. Int.*, vol. 43, no. 15, pp. 12898–12903, 2017.

[8] Kuixiong Gao (1993). Polyethylene glycol as an embedment for microscopy and histochemistry. CRC Press. ISBN 978-0-8493-4323-0.Page.1-10

[9] N. V. Satheesh Madhav and S. Kala, "Review on microparticulate drug delivery system," *Int. J. PharmTech Res.*, vol. 3, no. 3, pp. 1242–1254, 2011.

[10] S. Hasan, "A Review on Nanoparticles : Their Synthesis and Types A Review on Nanoparticles : Their Synthesis and Types," no. February 2015, pp. 3–6, 2016.

[11] S. W. Han, J. Kim, and R. Ryoo, "Dry-gel synthesis of mesoporous MFI zeolite nanosponges using a structure-directing surfactant," *Microporous Mesoporous Mater.*, vol. 240, pp. 123–129, 2017.

[12] K. K. S. Lau and K. K. Gleason, "All-dry synthesis and coating of methacrylic acid copolymers for controlled release," *Macromol. Biosci.*, vol. 7, no. 4, pp. 429–434, 2007.

[13] C. Tan and H. Zhang, "Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials," *Nat. Commun.*, vol. 6, p. 7873, 2015.

[14] J. Oliver-Meseguer *et al.*, "The wet synthesis and quantification of ligand-free sub-nanometric Au clusters in solid matrices," *Chem. Commun. Chem. Commun*, vol. 53, no. 53, pp. 1116–1119, 2017.

[15] C. J. Hogan, K. M. Yun, D. R. Chen, I. W. Lenggoro, P. Biswas, and K. Okuyama, "Controlled size polymer particle production via electrohydrodynamic atomization," *Colloids Surfaces A Physicochem. Eng. Asp.*, vol. 311, no. 1–3, pp. 67–76, 2007.

[16] M. The and B. Braun, “Syringes & Needles Injekt ® Solo.”

[17] Andrean Dias Prayogo, “Perancangan Sumber Tegangan Tinggi Terkontrol Berbasis Mikrokontroler Pada High Voltage Power Supply (HVPS),” 2016.

[18] Serway and Jewett, *Physics for Scientists and Engineers*, 6th ed., vol. 36, no. 3. Pomona, 2006.

[19] D. J. Y. S. P. Siavash Sarabi-Mianeji, Jennifer Scott, “Impact of Electrospinning Process Parameters on the Measured Current and Fiber Diameter,” *Engineering*, vol. 55, pp. 2576–2582, 2015.

[20] H. Wang *et al.*, “Electrospun poly(methyl methacrylate) nanofibers and microparticles,” *J. Mater. Sci.*, vol. 45, no. 4, pp. 1032–1038, 2010.

[21] A. F. Spivak, Y. A. Dzenis, and D. H. Reneker, “Model of steady state jet in the electrospinning process,” *Mech. Res. Commun.*, vol. 27, no. 1, pp. 37–42, 2000.

[22] M. M. Munir, A. B. Suryamas, F. Iskandar, and K. Okuyama, “Scaling law on particle-to-fiber formation during electrospinning,” *Polymer (Guildf).*, vol. 50, no. 20, pp. 4935–4943, 2009.

[23] K. Triyana, “Studi Pembuatan PVA Nano Fiber dengan Electrospinning,” pp. 16–19, 2013.

[24] T. R. Munson, Bruce., F. Young, Donald., H. Okiishi, *Mekanika Fluida*, 4th ed. Jakarta: Erlangga, 2004.

[25] A. Wiono and E. Rahmawati, “Perancangan dan Pembuatan Alat Ukur Konduktivitas Larutan Berbasis Mikrokontroler,” *J. Fis.*, vol. 3, no. 2, pp. 7–10, 2014.

[26] F. Irwan, “Analisis Hubungan Konduktivitas Listrik dengan Total Dissolved Solid (TDS) dan Temperatur pada Beberapa Jenis Air,” vol. 5, no. 1, pp. 85–93, 2016.

[27] R. Chang, *Chemistry*, 10th ed. New York: Thomas D. Timp, 2010.

[28] John W M Bush, *18.357 Interfacial Phenomena, Fall 2010*. 2013.

[29] I. K. Kundu, Pijush. M. Cohen, *Fluid Mechanics - 4th Ed*, 4th ed. Burlington, 2008.

[30] W. Liu and F. Wang, “Polyethylene glycol (PEG) promoted hydrodehalogenation of aryl halides,” *Tetrahedron Lett.*, vol. 58, no. 17, pp. 1673–1676, 2017.

[31] Marhold, J., Prague, “Prehled Prumyslove Toxikologie; Organicke Latky,” 1986.

[32] P. R. Chiarot, P. Sullivan, and R. Ben Mrad, “Electrospray from a droplet,” Exp. Therm. Fluid Sci., vol. 37, pp. 184–188, 2012.