

## DAFTAR PUSTAKA

- [1] D. Sugiyana and B. B. Tekstil, "PEMBUATAN SERAT NANO MENGGUNAKAN METODE," pp. 29–34, 2011.
- [2] R. Yang, J. He, L. Xu, and J. Yu, "Bubble-electrospinning for fabricating nanofibers," *Polymer (Guildf)*, vol. 50, no. 24, pp. 5846–5850, 2009, doi: 10.1016/j.polymer.2009.10.021.
- [3] R. Chen, Y. Wan, N. Si, J. H. He, F. Ko, and S. Q. Wang, "Bubble rupture in Bubble electrospinning," *Therm. Sci.*, vol. 19, no. 4, pp. 1141–1149, 2015, doi: 10.2298/TSCI1504141C.
- [4] A. Wahab, H. Ogasawara, I. Soo, and Q. Ni, "Polyvinyl alcohol nanofiber based three phase wound dressings for sustained wound healing applications," vol. 241, pp. 168–171, 2019.
- [5] R. Auras, B. Harte, and S. Selke, "An overview of polylactides as packaging materials," *Macromol. Biosci.*, vol. 4, no. 9, pp. 835–864, 2004, doi: 10.1002/mabi.200400043.
- [6] J. F. Mano, J. L. Gómez Ribelles, N. M. Alves, and M. Salmerón Sanchez, "Glass transition dynamics and structural relaxation of PLLA studied by DSC: Influence of crystallinity," *Polymer (Guildf)*, vol. 46, no. 19 SPEC. ISS., pp. 8258–8265, 2005, doi: 10.1016/j.polymer.2005.06.096.
- [7] R. E. Drumright, P. R. Gruber, and D. E. Henton, "Polylactic acid technology," *Adv. Mater.*, vol. 12, no. 23, pp. 1841–1846, 2000, doi: 10.1002/1521-4095(200012)12:23<1841::AID-ADMA1841>3.0.CO;2-E.
- [8] A. Simamora, A. W. Santoso, I. Rahayu, and K. H. Timotius, "Enzyme inhibitory, antioxidant, and antibacterial activities of ethanol fruit extract of *Muntingia calabura* Linn," *J. HerbMed Pharmacol.*, vol. 9, no. 4, pp. 346–354, 2020, doi: 10.34172/jhp.2020.44.
- [9] W. P. C. Buhian, R. O. Rubio, D. L. Valle, and J. J. Martin-Puzon, "Bioactive metabolite profiles and antimicrobial activity of ethanolic extracts from

- Muntingia calabura L. leaves and stems,” *Asian Pac. J. Trop. Biomed.*, vol. 6, no. 8, pp. 682–685, 2016, doi: 10.1016/j.apjtb.2016.06.006.
- [10] C. D. Shih, J. J. Chen, and H. H. Lee, “Activation of nitric oxide signaling pathway mediates hypotensive effect of *Muntingia calabura* L. (Tiliaceae) leaf extract,” *Am. J. Chin. Med.*, vol. 34, no. 5, pp. 857–872, 2006, doi: 10.1142/S0192415X0600434X.
- [11] E. T. H. Vink, K. R. Rábago, D. A. Glassner, and P. R. Gruber, “Applications of life cycle assessment to NatureWorks™ polylactide (PLA) production,” *Polym. Degrad. Stab.*, vol. 80, no. 3, pp. 403–419, 2003, doi: 10.1016/S0141-3910(02)00372-5.
- [12] K. T. Shalumon, S. Deepthi, M. S. Anupama, S. V. Nair, R. Jayakumar, and K. P. Chennazhi, “Fabrication of poly (l-lactic acid)/gelatin composite tubular scaffolds for vascular tissue engineering,” *Int. J. Biol. Macromol.*, vol. 72, pp. 1048–1055, 2015, doi: 10.1016/j.ijbiomac.2014.09.058.
- [13] N. Sahoo, R. K. Sahoo, N. Biswas, A. Guha, and K. Kuotsu, “Recent advancement of gelatin nanoparticles in drug and vaccine delivery,” *Int. J. Biol. Macromol.*, vol. 81, pp. 317–331, 2015, doi: 10.1016/j.ijbiomac.2015.08.006.
- [14] P. Dalton, D. Grafahrend, K. Klinkhammer, D. Klee, and M. Möller, “Electrospinning of polymer melts: Phenomenological observations,” *Polymer (Guildf.)*, vol. 48, pp. 6823–6833, 2007, doi: 10.1016/j.polymer.2007.09.037.
- [15] J. H. He, Y. Q. Wan, and L. Xu, “Nano-effects, quantum-like properties in electrospun nanofibers,” *Chaos, Solitons and Fractals*, vol. 33, no. 1, pp. 26–37, 2007, doi: 10.1016/j.chaos.2006.09.023.
- [16] R. Balu, S. Singaravelu, and N. Nagiah, “Bioceramic nanofibres by electrospinning,” *Fibers*, vol. 2, no. 3, pp. 221–239, 2014, doi: 10.3390/fib2030221.
- [17] L. É. Uhljar and R. Ambrus, “Electrospinning of Potential Medical Devices (Wound Dressings, Tissue Engineering Scaffolds, Face Masks) and Their Regulatory Approach,” *Pharmaceutics*, vol. 15, no. 2, 2023, doi:

10.3390/pharmaceutics15020417.

- [18] J. Xing, M. Zhang, X. Liu, C. Wang, N. Xu, and D. Xing, "Multi-material electrospinning: from methods to biomedical applications," *Mater. Today Bio*, vol. 21, no. February, p. 100710, 2023, doi: 10.1016/j.mtbio.2023.100710.
- [19] A. Keirouz *et al.*, "The History of Electrospinning: Past, Present, and Future Developments," *Adv. Mater. Technol.*, vol. 8, no. 11, pp. 1–34, 2023, doi: 10.1002/admt.202201723.
- [20] X. Shi *et al.*, "Electrospinning of Nanofibers and Their Applications for Energy Devices," *J. Nanomater.*, vol. 2015, 2015, doi: 10.1155/2015/140716.
- [21] N. Z. A. Al-Hazeem, "Nanofibers and Electrospinning Method," in *Novel Nanomaterials*, G. Z. Kyzas and A. C. Mitropoulos, Eds. Rijeka: IntechOpen, 2018.
- [22] J. V Patil, S. S. Mali, A. S. Kamble, C. K. Hong, J. H. Kim, and P. S. Patil, "Electrospinning: A versatile technique for making of 1D growth of nanostructured nanofibers and its applications: An experimental approach," *Appl. Surf. Sci.*, vol. 423, pp. 641–674, 2017, doi: <https://doi.org/10.1016/j.apsusc.2017.06.116>.
- [23] W. Zuo, M. Zhu, W. Yang, H. Yu, Y. Chen, and Y. Zhang, "Experimental study on relationship between jet instability and formation of beaded fibers during electrospinning," *Polym. Eng. Sci.*, vol. 45, pp. 704–709, 2005, [Online]. Available: <https://api.semanticscholar.org/CorpusID:136658372>.
- [24] M. Takasaki, H. Kurita, T. Kubota, K. Takashima, M. Hayashi, and A. Mizuno, "Electrostatic precipitation of diesel PM at reduced gas temperature," in *2015 IEEE Industry Applications Society Annual Meeting*, 2015, pp. 1–4, doi: 10.1109/IAS.2015.7356755.
- [25] A. Haider, S. Haider, and I.-K. Kang, "A comprehensive review summarizing the effect of electrospinning parameters and potential applications of nanofibers in biomedical and biotechnology," *Arab. J. Chem.*, vol. 11, no. 8, pp. 1165–1188, 2018, doi: <https://doi.org/10.1016/j.arabjc.2015.11.015>.
- [26] F. Ridwan and A. Ananta, "Preparation Smallest PVA/Binahong Leaf

- Nanofiber for Wound Dressing Applications by Varying Electrospinning Variable using Taguchi Method,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1041, p. 12063, Jan. 2021, doi: 10.1088/1757-899X/1041/1/012063.
- [27] T. Kartono Waluyo and G. Pasaribu, “Aktivitas Antijamur, Antibakteri Dan Penyembuhan Luka Ekstrak Resin Jernang,” *J. Penelit. Has. Hutan*, vol. 33, no. 4, pp. 377–385, 2015, doi: 10.20886/jphh.v33i4.937.377-385.
- [28] G. Di Carlo, N. Mascolo, A. A. Izzo, and F. Capasso, “Flavonoids: old and new aspects of a class of natural therapeutic drugs,” *Life Sci.*, vol. 65, no. 4, pp. 337–353, 1999, doi: 10.1016/s0024-3205(99)00120-4.
- [29] E. Jawetz, J. L. Melnick, and E. A. Adelberg, *MIKROBIOLOGI KEDOKTERAN*, 25th ed. Jakarta: Salemba Medika, 2012.
- [30] Pelczar, A. J. Michael, and E. C. S. Chan., *Dasar-Dasar Mikrobiologi*. Jakarta: Universitas Indonesia, 2008.
- [31] Moenadjat. Y, *Luka Bakar Masalah dan Tat alaksana*. Jakarta: Fakultas Kedokteran Universitas Indonesia, 2009.
- [32] M. Radji, *Buku Ajar Mikrobiologi Panduan Mahasiswa Farmasi dan Kedokteran*. Jakarta: EGC, 2011.
- [33] C. A. Ginns, M. L. Benham, L. M. Adams, K. G. Whithear, K. A. Bettelheim, and B. S. Crabb, “Colonization of the Respiratory Tract by a Virulent Strain of Avian Escherichia coli Requires Carriage of a Conjugative Plasmid,” vol. 68, no. 3, pp. 1535–1541, 2000.
- [34] L. S. Nurhayati, N. Yahdiyani, and A. Hidayatulloh, “Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt dengan Metode Difusi Sumuran dan Metode Difusi Cakram,” *J. Teknol. Has. Peternak.*, vol. 1, no. 2, p. 41, 2020, doi: 10.24198/jthp.v1i2.27537.
- [35] R. Casasola, N. L. Thomas, A. Trybala, and S. Georgiadou, “Electrospun poly lactic acid (PLA) fibres: Effect of different solvent systems on fibre morphology and diameter,” *Polymer (Guildf.)*, vol. 55, no. 18, pp. 4728–4737, 2014, doi: 10.1016/j.polymer.2014.06.032.
- [36] D. P. K. Kulla, “Uji Aktivitas Antibakteri dari Dari Ekstrak Bawang Lanang

(*Allium sativum* L.) Terhadap Pertumbuhan Bakteri *Staphylococcus aureus* dan *Escherichia coli*,” *Skripsi, Univ. Sanata Dharma*, pp. 1–15, 2016.

- [37] F. U. Datta, A. N. Daki, I. Benu, A. I. R. Detha, N. D. F. K. Foeh, and N. A. Ndaong, “Uji aktivitas antimikroba bakteri asam laktat cairan rumen terhadap pertumbuhan *Salmonella enteritidis*, *Bacillus cereus*, *Escherichia coli* dan *Staphylococcus aureus* menggunakan metode difusi sumur agar,” *Pros. Semin. Nas. VII Fak. Kedokt. Hewan Univ. Nusa Cendana Swiss Bel-inn Kristal Kupang*, pp. 66–85, 2019.
- [38] N. Paju, P. V. Y. Yamlean, and N. Kojong, “Uji efektivitas salep ekstrak daun binahong (*Anredera cordifolia* (Ten.) Steenis) pada kelinci (*Oryctolagus cuniculus*) yang terinfeksi bakteri *Staphylococcus aureus*,” *J. Ilm. Farm. - UNSRAT*, vol. 2, no. 01, pp. 51–61, 2013.
- [39] S. Qi, A. Xu, J. Liu, and Z. Xia, “Qualified nano-composite yarn for hydrophobic fabric via online nano- and micron-fiber composite spinning,” *Text. Res. J.*, vol. 93, no. 3–4, pp. 739–749, 2023, doi: 10.1177/00405175221124357.

