

DAFTAR PUSTAKA

- Abd El-aziz, A. M., El-Maghraby, A., & Taha, N. A. (2017). Comparison between polyvinyl alcohol (PVA) nanofiber and polyvinyl alcohol (PVA) nanofiber/hydroxyapatite (HA) for removal of Zn²⁺ ions from wastewater. *Arabian Journal of Chemistry*, 10(8), 1052–1060. <https://doi.org/10.1016/j.arabjc.2016.09.025>
- Almuhayawi, M. S. (2020). Propolis as a novel antibacterial agent. In *Saudi Journal of Biological Sciences* (Vol. 27, Issue 11, pp. 3079–3086). Elsevier B.V. <https://doi.org/10.1016/j.sjbs.2020.09.016>
- Baig, N., Kammakakam, I., Falath, W., & Kammakakam, I. (2021). Nanomaterials: A review of synthesis methods, properties, recent progress, and challenges. In *Materials Advances* (Vol. 2, Issue 6, pp. 1821–1871). Royal Society of Chemistry. <https://doi.org/10.1039/d0ma00807a>
- Berdasarkan Keputusan Direktur Jendral Penguatan Riset dan Pengembangan, T., Augusta, A., Semiadi Mammalogi, G., Penelitian Biologi -LIPI Atit Kanti Mikrobiologi, P., Penelitian Biologi -LIPI Siti Sundari Ekologi Lingkungan, P., Penelitian Biologi -LIPI Arif Nurkanto Mikrobiologi, P., Penelitian Biologi -LIPI Kartika Dewi Taksonomi Nematoda, P., Penelitian Biologi -LIPI Dwi Setyo Rini Biologi Molekuler Tumbuhan, P., Penelitian Biologi -LIPI, P., Astuti, L., Ariasari, N., & Penelitian Biologi-LIPI, P. (2020). Tim Redaksi (Editorial Team) Desain dan Layout (Design and Layout) Kesekretariatan (Secretary) Alamat (Address). In *Agustus* (Vol. 19, Issue 2).
- Du, P., Chen, X., Chen, Y., Li, J., Lu, Y., Li, X., Hu, K., Chen, J., & Lv, G. (2023). In vivo and in vitro studies of a propolis-enriched silk fibroin-gelatin composite nanofiber wound dressing. *Heliyon*, 9(3). <https://doi.org/10.1016/j.heliyon.2023.e13506>
- Gounani, Z., Pourianejad, S., Asadollahi, M. A., Meyer, R. L., Rosenholm, J. M., & Arpanaei, A. (2020). Polycaprolactone-gelatin nanofibers incorporated with dual antibiotic-loaded carboxyl-modified silica nanoparticles. *Journal of Materials Science*, 55(36), 17134–17150. <https://doi.org/10.1007/s10853-020-05253-7>
- Hajinasrollah, K., Habibi, S., & Nazockdast, H. (2019). Fabrication of gelatin–chitosan–gum tragacanth with thermal annealing cross-linking strategy. In *Journal of Engineered Fibers and Fabrics* (Vol. 14). SAGE Publications Ltd. <https://doi.org/10.1177/1558925019881142>
- Hidayat, G., Nurcahya Dewi, E., & Rianingsih, L. (2016). Characteristics of Bone Gelatin Tilapia (*Oreochromis niloticus*) Processed by Using Hydrolysis With Phosphoric Acid and Papain Enzyme. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 19(1), 69–78. <https://doi.org/10.17844/jphpi.2016.19.1.69>

- Huang, Z. M., Zhang, Y. Z., Kotaki, M., & Ramakrishna, S. (2003). A review on polymer nanofibers by electrospinning and their applications in nanocomposites. *Composites Science and Technology*, 63(15), 2223–2253. [https://doi.org/10.1016/S0266-3538\(03\)00178-7](https://doi.org/10.1016/S0266-3538(03)00178-7)
- İnal, M., & Mülazımođlu, G. (2019). Production and characterization of bactericidal wound dressing material based on gelatin nanofiber. *International Journal of Biological Macromolecules*, 137, 392–404. <https://doi.org/10.1016/j.ijbiomac.2019.06.119>
- Oryan, A., Alemzadeh, E., & Moshiri, A. (2018). Potential role of propolis in wound healing: Biological properties and therapeutic activities. *Biomedicine & Pharmacotherapy*, 98, 469–483. <https://doi.org/10.1016/J.BIOPHA.2017.12.069>
- Park, J. Y., & Seo, K. S. (2022). Staphylococcus Aureus. *Food Microbiology: Fundamentals and Frontiers*, 555–584. <https://doi.org/10.1128/9781555819972.ch21>
- Przybyłek, I., & Karpiński, T. M. (2019). Antibacterial properties of propolis. In *Molecules* (Vol. 24, Issue 11). MDPI AG. <https://doi.org/10.3390/molecules24112047>
- Raizman, R., Little, W., & Smith, A. C. (2021). Rapid diagnosis of *Pseudomonas aeruginosa* in wounds with point-of-care fluorescence imaging. *Diagnostics*, 11(2). <https://doi.org/10.3390/diagnostics11020280>
- Rasigade, J. P., & Vandenesch, F. (2014). Staphylococcus aureus: A pathogen with still unresolved issues. *Infection, Genetics and Evolution*, 21, 510–514. <https://doi.org/10.1016/j.meegid.2013.08.018>
- Sakul, G., Simbala, H., & Rundengan, G. (n.d.). *UJI DAYA HAMBAT EKSTRAK ETANOL DAUN PANGI (Pangium edule Reinw. ex Blume) TERHADAP BAKTERI Staphylococcus aureus, Escherichia coli DAN Pseudomonas aeruginosa THE INHIBITION TEST OF ETHANOL EXTRACT OF PANGI (Pangium edule Reinw. ex Blume) LEAVES AGAINST Staphylococcus aureus, Escherichia coli AND Pseudomonos aeruginosa.*
- Salles, T. H. C., Lombello, C. B., & D'Ávila, M. A. (2015). Electrospinning of gelatin/poly (vinyl pyrrolidone) blends from water/acetic acid solutions. *Materials Research*, 18(3), 509–518. <https://doi.org/10.1590/1516-1439.310114>
- Sobhanian, P., Khorram, M., Hashemi, S. S., & Mohammadi, A. (2019). Development of nanofibrous collagen-grafted poly (vinyl alcohol)/gelatin/alginate scaffolds as potential skin substitute. *International Journal of Biological Macromolecules*, 130, 977–987. <https://doi.org/10.1016/j.ijbiomac.2019.03.045>
- Thenmozhi, S., Dharmaraj, N., Kadirvelu, K., & Kim, H. Y. (2017). Electrospun nanofibers: New generation materials for advanced applications. *Materials Science and Engineering: B*, 217, 36–48. <https://doi.org/10.1016/J.MSEB.2017.01.001>

- Ulag, S., Ilhan, E., Demirhan, R., Sahin, A., Yilmaz, B. K., Aksu, B., Sengor, M., Fikai, D., Titu, A. M., Fikai, A., & Gunduz, O. (2021a). Propolis-based nanofiber patches to repair corneal microbial keratitis. *Molecules*, 26(9). <https://doi.org/10.3390/molecules26092577>
- Wu, G., Yang, Y., Lei, Y., Fu, D., Li, Y., Zhan, Y., Zhen, J., & Teng, M. (2020). Hydrophilic nano-SiO₂/PVA-based coating with durable antifogging properties. *Journal of Coatings Technology and Research*, 17(5), 1145–1155. <https://doi.org/10.1007/s11998-020-00338-z>
- Yang, T., Tan, Y., Zhang, W., Yang, W., Luo, J., Chen, L., Liu, H., Yang, G., & Lei, X. (2020). Effects of ALA-PDT on the Healing of Mouse Skin Wounds Infected With *Pseudomonas aeruginosa* and Its Related Mechanisms. *Frontiers in Cell and Developmental Biology*, 8. <https://doi.org/10.3389/fcell.2020.585132>
- Yuliani, I., Diah,), & Kusumawati, H. (2022). Nanofiber PVA/Kitosan Sebagai Wound Dressing. In *Jurnal Inovasi Fisika Indonesia (IFI)* (Vol. 11).
- Yusong, P., Jie, D., Yan, C., & Qianqian, S. (2016). Study on mechanical and optical properties of poly(vinyl alcohol) hydrogel used as soft contact lens. *Materials Technology*, 31(5), 266–273. <https://doi.org/10.1179/1753555715Y.0000000052>