

DAFTAR PUSTAKA

- Almulhim, A.M. and Madadin, M. (2019) 'Scalp laceration'.
- Alvarez-Suarez, J.M. *et al.* (2014) 'The composition and biological activity of honey: a focus on Manuka honey', *Foods*, 3(3), pp. 420–432.
- Bouacha, M. *et al.* (2024) 'Evaluation of antibacterial, anti-inflammatory, antioxidant, and wound-healing properties of multifloral honey', *International Food Research Journal*, 31(October), pp. 1094–1106.
- Bradbury (2015) 'Prontosan made easy', *Bradbury S Fletcher J*, 1(2), pp. 1–6.
- Brown, D.L. and Borschel, G.H. (2004) *Michigan manual of plastic surgery*. Lippincott Williams & Wilkins.
- Chelu, M. *et al.* (2023) 'Aloe vera-Based Hydrogels for Wound Healing: Properties and Therapeutic Effects', *MDPI*, 9(539).
- Chen, W. *et al.* (2012) 'Cape aloes—A review of the phytochemistry, pharmacology and commercialisation of *Aloe ferox*', *Phytochemistry Letters*, 5(1), pp. 1–12.
- Christaki, E. V and Florou-Paneri, P.C. (2010) 'Aloe vera: A plant for many uses', *J Food Agric Environ*, 8(2), pp. 245–249.
- Cioce, A. *et al.* (2024) 'Role of the Skin Immune System in Wound Healing', *Cells*, 13(7). Available at: <https://doi.org/10.3390/cells13070624>.
- Court, B. *et al.* (2018) 'Antimicrobial Activity Of Brazilian Honey And Aloe Vera', *International Journal of Pharmacognosy*, 5(7), pp. 414–418. Available at: [https://doi.org/10.13040/IJPSR.0975-8232.IJP.5\(7\).414-18](https://doi.org/10.13040/IJPSR.0975-8232.IJP.5(7).414-18).
- Diegelmann, R.F. and Evans, M.C. (2004) 'Wound healing: an overview of acute, fibrotic and delayed healing', *Front biosci*, 9(1), pp. 283–289.
- Dumovich, J. and Singh, P. (2022) 'Physiology, trauma', in *StatPearls [Internet]*. StatPearls Publishing.
- Ewuzie, S.R., Ikueze, O.R. and Uronnachi, M. (2024) 'Evaluation of Wound-healing Potentials of and Honey-based Formulation for Treatment of Burns', 14(6), pp. 28–35.
- Retnanin, E. and Wahyuni, T.D. (2020) 'the Effect of Aloe Vera Toward the Fibroblase on the Wound Incision of Wistar Rat'S (Ratus Norvegicus)', *Journal of Nursing*, 1(1), p. 30. Available at: <https://doi.org/10.20473/jovin.v1i1.19905>.



- Fischer, A.J. *et al.* (2011) ‘The maturation of photoreceptors in the avian retina is stimulated by thyroid hormone’, *Neuroscience*, 178, pp. 250–260.
- Furnawanthi, I. (2005) *Khasiat dan manfaat lidah buaya*. Depok: Agro Media.
- García-Gubern, C.F., Colon-Rolon, L. and Bond, M.C. (2010) ‘Essential concepts of wound management’, *Emergency medicine clinics*, 28(4), pp. 951–967.
- George, B. (2006) ‘The Key to Long-Term Success in Liposuction and a Guide for Plastic Surgeons and Patients: Reply’, *Plastic and Reconstructive Surgery*, 117(3), p. 1046.
- Grundmann, O. (2012) ‘Aloe vera gel research review’, *Nat. Med. J*, 4(9).
- Gunawan, S.A., Berata, I.K. and Wirata, I.W. (2019) ‘Histopatologi kulit pada kesembuhan luka insisi tikus putih pasca pemberian extracellular matrix (ECM) yang berasal dari vesica urinaria babi’, *Medicus Veterinus*, 3):313-324.
- Harahap (2000) *Ilmu Penyakit Kulit*. Jakarta: Hipokrates.
- Hariana, H.A. (2004) *Tumbuhan obat dan khasiatnya*. Niaga swadaya.
- Hegde, A. *et al.* (2021) ‘Wound Healing by Keratinocytes: A Cytoskeletal Perspective’, *Journal of the Indian Institute of Science*, 101(1), pp. 73–80. Available at: <https://doi.org/10.1007/s41745-020-00219-9>.
- Iosageanu, A. *et al.* (2024) ‘Anti-Inflammatory and Wound Healing Properties of Different Honey Varieties from Romania and Correlations to Their Composition’, *Life*, 14(9). Available at: <https://doi.org/10.3390/life14091187>.
- Janssens, D. (2022) ‘Antibacterial effect of Prontosan ® Wound Gel X vs Flaminal ® Hydro in burn injuries : a retrospective study’, *Faculty of Medicine and Health Sciences [Preprint]*.
- Jantakee, K. and Tragoolpua, Y. (2015) ‘Activities of different types of Thai honey on pathogenic bacteria causing skin diseases, tyrosinase enzyme and generating free radicals’, *Biological research*, 48, pp. 1–11.
- Konop, M., Rybka, M. and Drapała, A. (2021) ‘Keratin biomaterials in skin wound healing, an old player in modern medicine: A mini review’, *Pharmaceutics*, 13(12). Available at: <https://doi.org/10.3390/pharmaceutics13122029>.
- (2018) ‘The role of natural medicines on wound healing: a biomechanical, biochemical and molecular study.’
- (2012) ‘Extending the TIME concept: what have we learned in the past 10’, *International wound journal*, 9, pp. 1–19.



- Li, X. *et al.* (2024) ‘Research Progress of Fibroblasts in Human Diseases’, *Biomolecules*, 14(11). Available at: <https://doi.org/10.3390/biom14111478>.
- Lomban, A., Kalangi, S.J.R. and Pasiak, T.F. (2020) ‘Manfaat Olesan Madu Pada Penyembuhan Luka Kulit’, *eBiomedik*, 8(2).
- MacKay, D. and Miller, A.L. (2003) ‘Nutritional support for wound healing.’, *Alternative medicine review*, 8(4).
- Malone, M. and Tsai, G. (2016) ‘Wound healing with Apitherapy: A Review of the Effects of Honey’, *Journal of Apitherapy*, 1(1), pp. 29–32.
- Mardiana, L. (2012) *Daun Ajaib Tumpas Penyakit*. Penebar Swadaya Grup.
- Nagori, B.P. and Solanki, R. (2011) ‘Role of medicinal plants in wound healing’, *Research Journal of Medicinal Plant*, 5(4), pp. 392–405.
- Naseri-Nosar, M. *et al.* (2018) ‘Erythropoietin/aloe vera-releasing wet-electrospun polyvinyl alcohol/chitosan sponge-like wound dressing: in vitro and in vivo studies’, *Journal of Bioactive and Compatible Polymers*, 33(3), pp. 269–281.
- Nematian, A. *et al.* (2011) ‘The effect of planting density and nitrogen fertilizer on Active substances in medicinal plant Aloe vera L.’, *Iranian Journal of Medicinal and Aromatic Plants Research*, 27(2), pp. 338–347.
- Oghenemaro, E.F. *et al.* (2018) ‘Antimicrobial Activity of Aloe Vera Gel and Honey Against Bacteria Isolates From Wound Aspirates’, *International Journal of Pharmaceutical Sciences and Research*, 9(11), p. 4890. Available at: [https://doi.org/10.13040/IJPSR.0975-8232.9\(11\).4890-93](https://doi.org/10.13040/IJPSR.0975-8232.9(11).4890-93).
- Park, J. *et al.* (2021) ‘Characteristics of mouse embryonic fibroblasts by cryopreservation period for tissue engineering’, *Toxicology and Environmental Health Sciences*, 13(4), pp. 417–423. Available at: <https://doi.org/10.1007/s13530-021-00110-9>.
- Pensalfini, M. and Tepole, A.B. (2023) ‘Mechano-biological and bio-mechanical pathways in cutaneous wound healing’, *PLoS Computational Biology*, 19(3), pp. 1–30. Available at: <https://doi.org/10.1371/journal.pcbi.1010902>.



(2008) *The most important herbs in the world, agricultural training complex on*

(2024) ‘In vitro activity of Manuka and Trigona honey on fibroblasts and bacterial cultures’, *Oto Rhino Laryngologica Indonesiana*, 54(1), pp. 1–10.

- Ranjbar-Mohammadi, M. (2018) 'Characteristics of aloe vera incorporated poly(ϵ -caprolactone)/gum tragacanth nanofibers as dressings for wound care', *Journal of Industrial Textiles*, 47(7), pp. 1464–1477. Available at: <https://doi.org/10.1177/1528083717692595>.
- Razi, F. *et al.* (2021) 'Expression of fibroblast growth factor-2 after application of the Queen's crepe-myrtle leaf (*Lagerstroemia speciosa*) and aloe vera extract gel in the wound healing process of hyperglycemic', *Padjadjaran Journal of Dentistry*, 33(1), p. 48. Available at: <https://doi.org/10.24198/pjd.vol33no1.21276>.
- Rizqi, J. and Amestiasih, T. (2020) 'Evaluation of Cytotoxic Activity of Combination Honey and Aloe Vera in NIH3T3 Fibroblast Cell Lines and Its Effect on Cell Viability', *Proceedings of the International Conference on Nursing and Health Sciences*, 1(1), pp. 81–86.
- Robin, G. and Tony, B. (2005) *Lecture notes: Dermatologi*. 8th edn. Jakarta: Erlangga.
- Sasaki, N., Itakura, Y. and Toyoda, M. (2017) 'Sialylation regulates myofibroblast differentiation of human skin fibroblast', *Stem Cell Research and Therapy*, 8(1), pp. 1–13. Available at: <https://doi.org/10.1186/s13287-017-0534-1>.
- Sathyaprabha, G. *et al.* (2010) 'A comparative study on antioxidant, proximate analysis, antimicrobial activity and phytochemical analysis of Aloe vera and *Cissus quadrangularis* by GC-MS.'
- Senthilkumar, N., Chowdhury, S. and Sanpui, P. (2023) 'Extraction of keratin from keratinous wastes: current status and future directions', *Journal of Material Cycles and Waste Management*, 25(1), pp. 1–16. Available at: <https://doi.org/10.1007/s10163-022-01492-9>.
- Shafaie, S. *et al.* (2020) 'Differential Biological Behavior of Fibroblast and Endothelial Cells under Aloe vera Gel Culturing', *International Journal of Molecular and Cellular Medicine*, 9(3), pp. 234–245. Available at: <https://doi.org/10.22088/IJMCM.BUMS.9.3>.
- Sherwood, L., Kell, R.T. and Ward, C. (2004) 'Human physiology: from cells to systems'.
- Singh, M. and Ma, X. (2024) 'Recovery of Proliferative Fibroblast Cells from Refrigerated Sheep Skin after Different Postmortem Time Intervals and their Characterization', *Journal of Biotechnology and Biomedicine*, 07(01), pp. 93–100. Available at: <https://doi.org/10.26502/jbb.2642-91280130>.
- and Krebs, C.J. (2007) 'The secret world of wild mice', *The mouse in biomedical science*, 25–51.
- , J.P. and M, M.S.K. (2024) 'Wound Healing: A Review of Mechanisms ,



- Interventions , and Future Trends’, *International Journal of Scientific Development and Research*, 9(3), pp. 982–991.
- Surjushe, A., Vasani, R. and Saple, D. (2008) ‘Aloe vera: a short review’, *Indian journal of dermatology*, 53(4), pp. 163–166.
- Suryadi, I.A., Asmarajaya, A. and Sri, M. (2013) ‘Proses Penyembuhan dan Penanganan Luka’, *e-Jurnal Medika Udayana*, pp. 254–272.
- Talbott, H.E. *et al.* (2022) ‘Wound healing, fibroblas heterogeneity, and fibrosis’, *Cell Stem Cell*, 29(8), pp. 1161–1180. Available at: <https://doi.org/10.1016/j.stem.2022.07.006>.
- Tan, S.T. and Dosan, R. (2019) ‘Lessons From Epithelialization: The Reason Behind Moist Wound Environment’, *The Open Dermatology Journal*, 13(1), pp. 34–40. Available at: <https://doi.org/10.2174/1874372201913010034>.
- Teng, Y. *et al.* (2022) ‘Novel prospects for scarless wound healing: The roles of myofibroblasts and adipocytes’, *Journal of Cellular and Molecular Medicine*, 26(20), pp. 5113–5121.
- Teplicki, E. *et al.* (2018) ‘The Effects of Aloe vera on Wound Healing in Cell Proliferation, Migration, and Viability.’, *Wounds: a compendium of clinical research and practice*, 30(9), pp. 263–268.
- Thomas, G.W. *et al.* (2009) ‘Mechanisms of delayed wound healing by commonly used antiseptics’, *Journal of Trauma and Acute Care Surgery*, 66(1), pp. 82–91.
- Wang, Y.M. *et al.* (2025) ‘Keratin/chitosan film promotes wound healing in rats with combined radiation-wound injury’, *Journal of materials science. Materials in medicine*, 36(1), p. 15. Available at: <https://doi.org/10.1007/s10856-025-06860-z>.
- Wasiatmadja (2001) *Ilmu Penyakit Kulit dan Kelamin*. 3rd edn. Jakarta: Fakultas Kedokteran Universitas Indonesia;
- Wilkinson, H.N. and Hardman, M.J. (2020) ‘Wound healing: cellular mechanisms and pathological outcomes’, *Open biology*, 10(9), p. 200223.
- Wyatt, J.P. *et al.* (2011) *Oxford handbook of forensic medicine*. Oxford University Press, USA.
- Yavari, Z. *et al.* (2013) ‘Evaluation of aloe vera (*Aloe barbadensis miller*) antioxidant activity and morphological characteristics in different vermicompost field’.
- et al.* (2016) ‘Effect of rambutan-honey and its flavonoid on TGF- β 1 induced oral wound healing.’

