

DAFTAR PUSTAKA

- Alhaji, M., Goyal, A.(2024). *Physiology, Granulation Tissue*. StatPearls. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK554402/>
- Amaliya, S., Soemantri, B., Utami, Y. W. (2013). Efek Ekstrak Daun Pegagan (*Centella asiatica*) Dalam Mempercepat Penyembuhan Luka Terkontaminasi Pada Tikus Putih (*Rattus novergicus*) Galur Wistar. *Journal of Nursing Science Update* (JNSU), 1(1), pp.19–25. Retrieved from <https://jik.ub.ac.id/index.php/jik/article/view/32>
- Anderson, K., & Hamm, R. L. (2012). Factors that impair wound healing. Dalam *Journal of the American College of Clinical Wound Specialists* (Vol. 4, Nomor 4, hlm. 84–91). Elsevier Inc. <https://doi.org/10.1016/j.jccw.2014.03.001>
- Batheja, P., Sheihet, L., Kohn, J., Singer, A. J., Michniak-Kohn, B. (2011). Topical drug delivery by a polymeric nanosphere gel: formulation optimization and in vitro and in vivo skin distribution studies. *J Control Release*. 2011;149(2):159-167
- Bigliardi, P. L., Alsagoff, S. A. L., El-Kafrawi, H. Y., Pyon, J. K., Wa, C. T. C., Villa, M. A. (2017). Povidone iodine in wound healing: A review of current concepts and practices, *International Journal of Surgery*, Volume 44, 260-268, ISSN 1743-9191, <https://doi.org/10.1016/j.ijssu.2017.06.073>.
- Chen, L., Mirza, R., Kwon, Y., DiPietro, L. A., Koh, T. J. (2015). The murine excisional wound model: Contraction revisited. *Wound Repair Regen*. 2015 Nov-Dec;23(6):874-7. doi: 10.1111/wrr.12338. Epub 2015 Nov 4. PMID: 26136050; PMCID: PMC5094847.
- Davis, W. W., Stout, T. R. (1971). Disc plate method of microbiological antibiotic assay. I. Factors influencing variability and error. *Applied microbiology*, 22(4), 659–665. <https://doi.org/10.1128/am.22.4.659-665.1971>
- Departemen Kesehatan Republik Indonesia. (2020). *Farmakope Indonesia* (VI). Kementerian Kesehatan Republik Indonesia.
- Diniz, L. R. L., Calado, L. L., Duarte, A. B. S., & de Sousa, D. P. (2023). *Centella asiatica* and Its Metabolite Asiatic Acid: Wound Healing Effects and Therapeutic Potential. *Metabolites*, 13(2), 276. <https://doi.org/10.3390/metabo13020276>
- Elliot, S., Wikramanayake, T. C., Jozic, I., Tomic-Canic, M. (2018). A Modeling Conundrum: Murine Models for Cutaneous Wound Healing, *Journal of Investigative Dermatology*, 138 (4), 736-740, ISSN 0022-202X, <https://doi.org/10.1016/j.jid.2017.12.001>.
- Frida, M., Mwangengwa, L., & Ally, M. (2022). Excision wounds healing activity of *Centella Asiatica* (Gotukola) extract on laboratory rats. *Tanzania Journal of Health Research*, 23(1). <https://doi.org/10.4314/thrb.v23i1.7>
- Fioni, Hedayani, D., Lister, G., Tambunan, A. Z. (2023). Antibacterial Activity Test of Gotu Kola Leaf Extract (*Centella asiatica*) Against *Staphylococcus aureus* Bacteria Isolated from Wounds of Diabetes Mellitus Patients. *Jurnal Penelitian Pendidikan IPA*. 9 (12). 10727-10732. DOI: 10.29303/jppipa.v9i12.6046

- Grada, A., Mervis, J., Falanga, V. (2018). Research Techniques Made Simple: Animal Models of Wound Healing, *Journal of Investigative Dermatology*, 138 (10), 2095-2105.e1,ISSN 0022-202X,<https://doi.org/10.1016/j.jid.2018.08.005>.
- Gonzalez, A. C., Costa, T. F., Andrade, Z. A., Medrado, A. R. (2016). Wound healing - A literature review. *An Bras Dermatol*. 2016 Sep-Oct;91(5):614-620. doi: 10.1590/abd1806-4841.20164741. PMID: 27828635; PMCID: PMC5087220
- Hardiani, C. C., Dewajanti, A. M., Kurniawan, H., Sumbayak, E. M. (2023) Pengaruh Daun Binahong (*Anredera Cordifolia* (Ten.) Steenis pada Proses Penyembuhan Luka . *Jurnal Kedokteran Meditek*, 29(1), 1–10. Available from: <http://ejournal.ukrida.ac.id/ojs/index.php/Meditek/article/view/2433/version/2425>. DOI: <https://doi.org/10.36452/jkdoktmeditek.v29i1.2433>
- Harun, N.H., Septama, A. W., Ahmad, W. A. N. W., & Suppian Rapeah. (2019). The Potential of *Centella asiatica* (Linn.) Urban as an Anti-Microbial and Immunomodulator Agent: A Review. *Natural Product Sciences* 25(2) : 92-102 (2019) <https://doi.org/10.20307/nps.2019.25.2.92>
- Iskandar, E., Theodorus, T., Tribowo, A., Erna, R., & Syakirah, F. (2021). *Centella Asiatica* Extract Effect On Postoperative Wound Healing. *International Journal of Islamic and Complementary Medicine*, 2(2), 47–58. <https://doi.org/10.55116/IJIM.V1I1.28>
- Ji, Y., Yang, S., Zhou, K., Roccliffe, H. R., Pellicoro, A., Cash, J. L., Wang, R., Li, C., Huang, Z. (2022). Deep-learning approach for automated thickness measurement of epithelial tissue and scab using optical coherence tomography. *J Biomed Opt*. 2022 Jan;27(1):015002. doi: 10.1117/1.JBO.27.1.015002. PMID: 35043611; PMCID: PMC8765552.
- Kemenkes. (2017). Farmakope Herbal Indonesia Edisi II 2017.
- Khan, A. W., Kotta, S., Ansari, S. H., Sharma, R. K., Kumar, A., & Ali, J. (2013). Formulation Development, Optimization and Evaluation of Aloe Vera Gel for Wound Healing. *Pharmacognosy Magazine*, 9(36), S6–S10. <https://doi.org/10.4103/0973-1296.117849>
- Kholifah, I. A., Indriarti, D. W., Wahyuni, R., Sundari, A. S. (2023). Bacteriological Profile of Wound Infection and Antibiotic Susceptibility Patterns in a Public Hospital in Surabaya, Indonesia. *Journal of Vocational Health Studies*. 39(47) p-ISSN:2580–7161;e-ISSN:2580–717xDOI:10.20473/jvhs.V7.I1.2023.39-47
- Kintoko, Hanifah Karimatulhadjj, Trie Yuni Elfasyari, Ersi Arviana Ihsan, Teguh Adiyas Putra, Puspawan Hariadi, Citra Ariani, & Nurkhasanah. (2017). Effect of Diabetes Condition on Topical Treatment of Binahong Leaf Fraction in Wound Healing Process Pengaruh Kondisi Diabetes pada Pemberian Topikal Fraksi Daun Binahong dalam Proses Penyembuhan Luka. *Traditional Medicine Journal*, 22(2).
- Kramer, S. A. (1999). Effect of povidone-iodine on wound healing: A review.
- Li, S., Renick, P., Senkowsky, J., Nair, A., & Tang, L. (2021). Diagnostics for Wound Infections. *Advances in wound care*, 10(6), 317–327. <https://doi.org/10.1089/wound.2019.1103>

- Mahapatra, A. Das, Bhowmik, P., Banerjee, A., Das, A., Ojha, D., & Chattopadhyay, D. (2019). Ethnomedicinal Wisdom. Dalam *New Look to Phytomedicine* (hlm. 35–61). Elsevier. <https://doi.org/10.1016/B978-0-12-814619-4.00003-3>
- Mardisiswojo, Sudarman, Rajakmangunsudarso, Harsono. (1985). *Cabe puyang warisan nenek moyang*. Jakarta: Balai Pustaka.
- Masson-Meyers, D. S., Andrade, T. A. M., Caetano, G. F., Guimaraes, F. R., Leite, M. N., Leite, S. N., & Frade, M. A. C. (2020). Experimental Models And Methods For Cutaneous Wound Healing Assessment. Dalam *International Journal of Experimental Pathology* (Vol. 101, Nomor 1–2, hlm. 21–37). Blackwell Publishing Ltd. <https://doi.org/10.1111/iep.12346>
- Miladiyah, I., & Prabowo, B. R. (2012). Ethanolic extract of *Anredera cordifolia* (Ten.) Steenis leaves improved wound healing in guinea pigs. *Universa Medicina*, 31(1), 4–11. <https://doi.org/10.18051/UnivMed.2012.v31.4-11>
- Murthy S., Gautam M. K., Goel S., Purohit, V., Sharma, H., Goel, R. K. (2013) Evaluation of in vivo wound healing activity of *Bacopa monniera* on different wound model in rats. *Biomed Res Int* 2013:1–9.
- Pastar, I., Olivera, S., Yin, N. C., Ramirez, H., Nusbaum, A. G., Sawaya, A., Patel, S. B., Khalid, L., Isseroff, R. R., Tomic-Canic, M. (2014). Epithelialization in Wound Healing: A Comprehensive Review. *Advances in Wound Care* (3), 7. (445-464).doi 10.1089/wound.2013.0473.
- Pattiwael, S., Awan, A., Mahulette, F., (2022). Antibacterial Activity of Binahong Root Extract (*Anredera cordifolia* (Ten.) Steenis) in Treatment of Boils. *Rumphius Pattimura Biological Journal*. 4 (1): 18-25E-ISSN: 2684-804X. DOI <https://doi.org/10.30598/rumphiusv4i1p018-025>
- Pazyar, N., Yaghoobi, R., Rafiee, E., Mehrabian, A., & Feily, A. (2014). Skin Wound Healing and Phytomedicine: A Review. *Skin Pharmacology and Physiology*, 27(6), 303–310. <https://doi.org/10.1159/000357477>
- Pebri, I. G., Rinidar, & Amiruddin. (2017). Pengaruh Pemberian Ekstrak Daun Binahong (*Anredera cordifolia*) terhadap Proses Penyembuhan Luka Insisi (*Vulnus incisivum*) Pada Mencit (*Mus musculus*) The Effect of Leaf Extract Binahong (*Anredera cordifolia*) for Wounds Healing on Mice. *Jurnal Ilmiah Mahasiswa Veteriner*. <https://doi.org/https://doi.org/10.21157/jim%20vet..v2i1.5655>
- Perkasa, Achmad Yozar. (2023). An Introduction to the Plant Binahong (*Anredera cordifolia* (TEN.) Steenis) as a Source Of Antioxidant Compounds. *Journal of Erciyes Agriculture and Animal Science*, 6(2):16-20.
- Pratiwi, Vivi. (2022). Pengaruh Waktu Perendaman, Komposisi Pelarut, dan Ukuran Partikel terhadap Rendemen dan Kandungan Flavonoid Total Ekstrak pada Ekstraksi Daun Binahong (*Anredera cordifolia* (ten.) steenis). Universitas Gadjah Mada.
- Rahmani-Neishaboor, E., Yau, F. M., Jalili, R., Kilani, R. T., & Ghahary, A. (2010). Improvement of hypertrophic scarring by using topical anti-fibrogenic/anti-inflammatory factors in a rabbit ear model. *Wound Repair and Regeneration*, 18(4), 401–408. doi:10.1111/j.1524-475x.2010.00598.x
- Rittié, L. (2016). Cellular Mechanisms of Skin Repair in Humans and Other Mammals. Dalam *Journal of Cell Communication and Signaling* (Vol. 10,

- Nomor 2, hlm. 103– 120). Springer Netherlands.
<https://doi.org/10.1007/s12079-016-0330-1>
- Rodrigues, M., Kosaric, N., Bonham, C. A., & Gurtner, G. C. (2019). Wound Healing: A Cellular Perspective. *Physiol Rev*, 99, 665–706.
<https://doi.org/10.1152/physrev.00067.2017.-Wound>
- Rousselle, P., Braye, F., Dayan, G. (2019). Re-epithelialization of adult skin wounds: Cellular mechanisms and therapeutic strategies, *Advanced Drug Delivery Reviews*, Volume 146, 2019, Pages 344-365, ISSN 0169-409X, <https://doi.org/10.1016/j.addr.2018.06.019>.
(<https://www.sciencedirect.com/science/article/pii/S0169409X18301583>)
- Sabale, P., Bhimani, B., Prajapati, C., & Sabale, V. (2012). An Overview of Medicinal Plants as Wound Healers. *Journal of Applied Pharmaceutical Science*, 2(11), 143– 150. <https://doi.org/10.7324/JAPS.2012.21127>
- Sagástegui-Guarniz, W. A., Silva-Correa, C. R., Villarreal-La Torre, V. E., González-Blas, M. V., Sagástegui-Guarniz, W. O., Calderón-Peña, A. A., Aspajo-Villalaz, C. L., Cruzado- Razco, J. L., & Hilario-Vargas, J. (2021). Wound Healing by Topical Application of *Momordica charantia* L. Formulations on Mice. *Veterinary World*, 14(10), 2699– 2704. <https://doi.org/10.14202/vetworld.2021.2699-2704>
- Saini, S., Dhiman, A., & Nanda, S. (2016). Traditional Indian Medicinal Plants with Potential Wound Healing Activity: A Review. *International Journal of Pharmaceutical Sciences and Research* 1809 IJPSR, 7(5), 1809–1819. <https://doi.org/http://dx.doi.org/10.13040/IJPSR.0975-8232.7>
- Samirana, P. O., Swastini D. A., Subratha, I D. G. P. Y., Ariadi, K. A. (2016). Uji Aktivitas Penyembuhan Luka Ekstrak Etanol Daun Binahong (*Anredera scandens* (L.) Moq.) pada Tikus Jantan Galur Wistar. *Jurnal Farmasi Udayana*. 5 (2). ISSN 2301-7716. <https://media.neliti.com/media/publications/279800-uji-aktivitas-penyembuhan-luka-ekstrak-e-04610dfe.pdf>
- Sen, C. K. (2019). Human Wounds and Its Burden: An Updated Compendium of Estimates. *Advances in Wound Care*, 8(2), 39–48. <https://doi.org/10.1089/wound.2019.0946>
- Shetty, B. S., Udupa, S. L., Udupa, A. L., & Somayaji, S. N. (2006). Effect of *Centella asiatica* L (Umbelliferae) on Normal And Dexamethasone-Suppressed Wound Healing in Wistar albino rats. *International Journal of Lower Extremity Wounds*, 5(3), 137– 143. <https://doi.org/10.1177/1534734606291313>.
- Siagian, R. S. (2022). Pengaruh Ukuran Partikel, Komposisi Pelarut, dan Rasio Simplisia-Pelarut terhadap Kadar Flavonoid Total pada Ekstraksi Herba Pegagan (*Centella asiatica* (L.) Urb). Universitas Gadjah Mada.
- Sibbald, R. G., & Elliott, J. A. (2017). The Role of Inadine in Wound Care: A Consensus Document. *International Wound Journal*, 14(2), 316– 321. <https://doi.org/10.1111/iwj.12602>
- Singh, G., Utami, N. V., Usman, H. A., Effect of Topical Application of Binahong [*Anredera cordifolia* (Ten.) Steenis] Leaf Paste in Wound Healing Process in Mice. *Althea Medical Journal*. 1(1). ISSN 2337-4330. <https://journal.fk.unpad.ac.id/index.php/amj/article/view/289>

- Somboonwong, J., Kankaisre, M., Tantisira, B., & Tantisira, M. H. (2012). Wound Healing Activities of Different Extracts of *Centella asiatica* in Incision and Burn Wound Models: An Experimental Animal Study. *BMC Complementary and Alternative Medicine*, 12(1), 103. <https://doi.org/10.1186/1472-6882-12-103>
- Sungkar, A., Widyatmoko, D., Yarso, K.Y., Wasita, B. (2020). The effect of duration of wound skin tissue on MDA, TNF- α , IL-6, Caspase 3, VEGF levels, and granulation tissue thickness in the white rat (*Rattus norvegicus*). *Bali Medical Journal* 9(3): 918-923. DOI:10.15562/bmj.v9i3.2022
- Sukrama, D. M., Wihandani, D. M., & Manuaba, A. P. (2017). Topical Binahong (*Anredera cordifolia*) Leaf Extract Increases Interleukin-6 and VEGF (Vascular Endothelial Growth Factor) during Burn Wound Healing in Wistar Rats Infected with *Pseudomonas aeruginosa*. *Biology and Medicine*, 09(01).<https://doi.org/10.4172/0974-8369.1000369>
- Sutrisno, E., Sukandar, E., Fidrianny, I., & Ketut Adnyana, I. (2018). Wound Healing in vivo and in vitro study of Binahong Leaves (*Anredera Cordifolia* (Ten.) Steenis) and Pegagan (*Centella Asiatica* (L.) Urban) Ethanolic Extract. 1, 111–116. <http://pharmacologyonline.silae.it>
- Swanson, T., Grothier, L., Schultz, G. (2014). *Wound Infection Made Easy*. Wounds International 2014. Available from: www.woundsinternational.com
- Tanga, B. M., Bang, S., Fang, X., Seo, C., Zoysa, M. D., Saadeldin, I. M., Lee, S., Park, S. U., Chung, S. O., Lee, G. J., Cho, J., (2022). *Centella asiatica* extract in carboxymethyl cellulose at its optimal concentration improved wound healing in mice models, *Heliyon*, Volume 8, Issue 12, 2022, e12031, ISSN 2405-8440, <https://doi.org/10.1016/j.heliyon.2022.e12031>. (<https://www.sciencedirect.com/science/article/pii/S2405844022033199>)
- Takahashi, M., Asikin, Y., Takara, K., & Wada, K. (2012). Screening of Medicinal and Edible Plants in Okinawa, Japan, for Enhanced Proliferative and Collagen Synthesis Activities in NB1RGB Human Skin Fibroblast Cells. *Bioscience, Biotechnology, and Biochemistry*, 76(12), 2317–2320. <https://doi.org/10.1271/bbb.120478>
- Tambunan, G. C. A., Girsang, E., Nasution, A. N. (2023). Pengaruh Pemberian Gel Ekstrak Daun Pegagan (*Centella asiatica*) sebagai Peningkat Neovaskularisasi, Fibroblast, dan Epitalisasi dalam Penyembuhan Luka Tikus Jantan. *Health Information Jurnal Penelitian*. 15, Suplemen. <https://myjurnal.poltekkes-kdi.ac.id/index.php/hijp>
- Utami, P., & Puspaningtyas, D. E. (2013). *The Miracle of Herbs*. Jakarta: PT AgroMedia Pustaka.
- Van De Vyver, M., Boodhoo, K., Frazier, T., Hamel, K., Kopcewicz, M., Levi, B., Maartens, M., Machcinska, S., Nunez, J., Pagani, C., Rogers, E., Walendzik, K., Wisniewska, J., Gawronska-Kozak, B., & Gimble, J. M. (2021). Histology Scoring System for Murine Cutaneous Wounds. *Stem Cells and Development*, 30(23), 1141–1152. <https://doi.org/10.1089/scd.2021.0124>
- Wilfredo, L.-O., Amarendra, P., Mandy, A., & Amanda, M. Oakley. (2022). *Anatomy, Skin (Integument)*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK441980/>.

- Wilkinson, H. N., & Hardman, M. J. (2020). Wound healing: cellular mechanisms and pathological outcomes. *Open Biology*, 10(9), 341–370. <https://doi.org/10.1098/rsob.200223>.
- Wilkinson, H. N., & Hardman, M. J. (2023). Wound healing: Cellular mechanisms and pathological outcomes. Dalam *Advances in Surgical and Medical Specialties* (hlm. 341–370). Taylor and Francis. <https://doi.org/10.1098/rsob.200223>.
- Yuliani, S., Fudholi, A., & Pramono, S. (2012a). Physical Properties of Wound Healing Gel of Ethanolic Extract Oo Binahong (*Anredera cordifolia* (Ten) Steenis) During Storage. *J. Pharm*, 23(4), 203–208.
- Yuniarti, W. M., & Lukiswanto, B. S. (2017). Effects of herbal ointment containing the leaf extracts of Madeira vine (*Anredera cordifolia* (Ten.) Steenis) for burn wound healing process on albino rats. *Veterinary World*, 10(7), 808–813. <https://doi.org/10.14202/vetworld.2017.808-813>