

DAFTAR REFERENSI

- ADA. (2018). *Updates to the Standards of Medical Care in Diabetes-2018*. In *Diabetes care* (Vol. 41, Issue 9). <https://doi.org/10.2337/dc18-su09>
- Afrianti, R., Nofiandi, D., Dira, D., & Ulfa, W. (2016). Pengujian Efektivitas Penyembuhan Luka Mencit Diabetes Melitus Yang Diberikan Sediaan Krim Ekstrak Etanol Daun Bandotan. *Scientia : Jurnal Farmasi Dan Kesehatan*, 6(1), 50. <https://doi.org/10.36434/scientia.v6i1.42>
- Ahmad Azrul Zuniarto Rizki, rahmah F. (2017). Uji Efektivitas Salep Ekstrak Herba Pegagan (*Centella asiatica (L.) Urban*) Terhadap Luka Bedah Pada Tikus.1(2), 95–100. <http://jhhs.stikesholistic.ac.id/index.php/jhhs/article/view/9/9>
- Arulprakash, K., Murugan, R., Ponrasu, T., Iyappan, K., Gayathri, V. S., & Suguna, L. (2012). Efficacy of Ageratum conyzoides on tissue repair and collagen formation in rats. *Clinical and Experimental Dermatology*, 37(4), 418–424. <https://doi.org/10.1111/j.1365-2230.2011.04285.x>
- Aumiller, W. D., & Dollahite, H. A. (2015). *Pathogenesis and management of diabetic foot ulcers*. *Journal of the American Academy of Physician Assistants*, 28(5), 28–34. <https://doi.org/10.1097/01.JAA.0000464276.44117.b1>
- Azis, H. A., Taher, M., Ahmed, A. S., Sulaiman, W. M. A. W., Susanti, D., Chowdhury, S. R., & Zakaria, Z. A. (2017). *In vitro and In vivo wound healing studies of methanolic fraction of Centella asiatica extract*. *South African Journal of Botany*, 108, 163–174. <https://doi.org/10.1016/j.sajb.2016.10.022>
- Camacho-Alonso, F., Torralba-Ruiz, M. R., García-Carrillo, N., Lacal-Luján, J., Martínez-Díaz, F., & Sánchez-Siles, M. (2018). *Effects of topical applications of porcine acellular urinary bladder matrix and Centella asiatica extract on oral wound healing in a rat model*. *Clinical Oral Investigations*, 23(5), 2083–2095. <https://doi.org/10.1007/s00784-018-2620-x>
- Candra, S., Susilawati, E., & Adnyana, I. K. (2018). Pengaruh Gel Ekstrak Daun Kerehau (*Callicarpa longifolia Lam.*) Terhadap Penyembuhan Luka Pada Model Tikus Diabetes. *Kartika : Jurnal Ilmiah Farmasi*, 6(2), 70. <https://doi.org/10.26874/kjif.v6i2.154>
- Chun-Hsu Yao^{1, 2, 3}, Jen-Yu Yeh⁴, Yueh-Sheng Chen^{1, 2}, M.-H. L. and C.-H. H. (2015). *Wound-healing effect of electrospun gelatin nanofibres containing Centella asiatica extract in a rat model*. *Annals of the American Thoracic Society*. <https://doi.org/10.1002/term>
- Fang, Q., Guo, S., Zhou, H., Han, R., Wu, P., & Han, C. (2017). *Astaxanthin protects against early burn-wound progression in rats by attenuating*

- oxidative stress-induced inflammation and mitochondria-related apoptosis.* *Scientific Reports*, 7(September 2016), 1–13. <https://doi.org/10.1038/srep41440>
- Ferry Effendi., H. S. H. (2017). Dari Formulasi Salep Ekstak Etanol Daun Babadotan (*Ageratum conyzoides L.*). 2(1), 7–14.
- Fransworth, N. R. (1996). *Biological and Phytochemical Screening of Plants, J. Pharm. Sci.*, 55(3), 225-276
- Garg, A., Aggarwal, D., Garg, S., & Singla, A. K. (2002). *Spreading of semisolid formulations: An update.* *Pharmaceutical Technology North America*, 26(9), 84–105.
- Gerhard-Herman, M. D., Gornik, H. L., Barrett, C., Barshes, N. R., Corriere, M. A., Drachman, D. E., Fleisher, L. A., Fowkes, F. G. R., Hamburg, N. M., Kinlay, S., Lookstein, R., Misra, S., Mureebe, L., Olin, J. W., Patel, R. A. G., Regensteiner, J. G., Schanzer, A., Shishehbor, M. H., Stewart, K. J., ... Walsh, M. E. (2017). *2016 AHA/ACC guideline on the management of patients with lower extremity peripheral artery disease: Executive Summary: A report of the American college of cardiology/American Heart Association task force on clinical practice guidelines.* In *Circulation* (Vol. 135, Issue 12). <https://doi.org/10.1161/CIR.0000000000000470>
- Guidelines, & Disease Iwgdf, D. F. (2019). *04-IWGDF-PAD-guideline-2019.*
- Gurcharan Singh, G. K. a/p, Utami, N. V., & Usman, H. A. (2014). *Effect of Topical Application of Binahong [Anredera cordifolia (Ten.) Steenis] Leaf Paste in Wound Healing Process in Mice.* *Althea Medical Journal*, 1(1), 6–11. <https://doi.org/10.15850/amj.v1n1.289>
- Han, J. H., Ju, J. H., Lee, Y. S., Park, J. H., Yeo, I. J., Park, M. H., Roh, Y. S., Han, S. B., & Hong, J. T. (2018). *Astaxanthin alleviated ethanol-induced liver injury by inhibition of oxidative stress and inflammatory responses via blocking of STAT3 activity.* *Scientific Reports*, 8(1), 1–10. <https://doi.org/10.1038/s41598-018-32497-w>
- Hingorani, A., Lamuraglia, G. M., Henke, P., Meissner, M. H., Loretz, L., Zinszer, K. M., Driver, V. R., Frykberg, R., Carman, T. L., Marston, W., Mills, J. L., & Murad, M. H. (2016). *The management of diabetic foot: A clinical practice guideline by the Society for Vascular Surgery in collaboration with the American Podiatric Medical Association and the Society for Vascular Medicine.* *Journal of Vascular Surgery*, 63(2), 3S-21S. <https://doi.org/10.1016/j.jvs.2015.10.003>
- Jin, S. G., Kim, K. S., Yousaf, A. M., Kim, D. W., Jang, S. W., Son, M. W., Kim, Y. H., Yong, C. S., Kim, J. O., & Choi, H. G. (2015). *Mechanical properties and in vivo healing evaluation of a novel Centella asiatica-loaded hydrocolloid wound dressing.* *International Journal of Pharmaceutics*, 490(1–2), 240–247. <https://doi.org/10.1016/j.ijpharm.2015.05.058>

- Kaneko, M., Kishimoto, Y., Suzuki, R., Kawai, Y., Tateya, I., & Hirano, S. (2017). *Protective Effect of Astaxanthin on Vocal Fold Injury and Inflammation Due to Vocal Loading: A Clinical Trial.* *Journal of Voice*, 31(3), 352–358. <https://doi.org/10.1016/j.jvoice.2016.06.017>
- Kemenkes RI. (2019). Hasil Riset Kesehatan Dasar Tahun 2018. Kementerian Kesehatan RI, 53(9), 1689–1699.
- Khairani. (2019). Hari Diabetes Sedunia Tahun 2018. Pusat Data Dan Informasi Kementerian Kesehatan RI, 1–8.
- Kim, Y. S., Cho, I. H., Jeong, M. J., Jeong, S. J., Nah, S. Y., Cho, Y. S., Kim, S. H., Go, A., Kim, S. E., Kang, S. S., Moon, C. J., Kim, J. C., Kim, S. H., & Bae, C. S. (2011). *Therapeutic efect of total ginseng saponin on skin wound healing.* *Journal of Ginseng Research*, 35(3), 360–367. <https://doi.org/10.5142/jgr.2011.35.3.360>
- Kuo, Y. S., Chien, H. F., & Lu, W. (2012). *Plectranthus amboinicus and Centella asiatica cream for the treatment of diabetic foot ulcers.* *Evidence-Based Complementary and Alternative Medicine*, 2012. <https://doi.org/10.1155/2012/418679>
- Latifah. (2015). *identifikasi golongan senyawa flavonoid dan uji aktivitas anti oksidan pada ekstrak rimpang kencur Kaempferia galanga L. dengan metode DPPH (1,1-DIFENIL-2-PIKRILHIDRAZIL)* [Universitas Islam Negeri Maulana Malik Ibrahim Malang]. <http://weekly.cnbnews.com/news/article.html?no=124000>
- Lusi Nurdianti, Dea rosiana, N. A. (2018). Evaluasi sediaan emulgel anti jerawat tea tree (*Melaleuca alternifolia*) oil dengan menggunakan HPMC sebagai gelling agent. *Journal of Pharmacopolium*, 1(1), 23–31. <https://doi.org/10.36465/jop.v1i1.392>
- Manciula, Berce, Tabaran, Trombitaş, & Albu. (2019). *The Effects of Postoperative Astaxanthin Administration on Nasal Mucosa Wound Healing.* *Journal of Clinical Medicine*, 8(11), 1941. <https://doi.org/10.3390/jcm8111941>
- Mbewu, A., & Putri, O. K. (2017). Efektifitas sediaan tingtur ekstrak daun babadotan (*Ageratum conyzoides* L .) terhadap penyembuhan luka pada tikus putih (*Rattus norvegicus*) *Artikel Ilmiah*, 1–10.
- Meephansan, J., Rungjang, A., Yingmema, W., Deenonpoe, R., & Ponnikorn, S. (2017). *Effect of astaxanthin on cutaneous wound healing.* *Clinical, Cosmetic and Investigational Dermatology*, 10, 259–265. <https://doi.org/10.2147/CCID.S142795>
- Mogensen, C. E. (2007). *Pharmacotherapy of diabetes.* In *Pharmacotherapy of Diabetes: New Developments: Improving Life and Prognosis for Diabetic Patients.* https://doi.org/10.1007/978-0-387-69737-6_28

- NICE. (2015). *Diabetic foot problems : prevention and management* (Issue August). <http://www.nice.org.uk/guidance/ng19/resources/diabetic-foot-problems-prevention-and-management-1837279828933>
- Nurdianti, L., Aryani, R., & Indra, I. (2017). Formulasi dan Karakterisasi SNE (Self Nanoemulsion) Astaxanthin dari *Haematococcus pluvialis* sebagai Super Antioksidan Alami. *Jurnal Sains Farmasi & Klinis*, 4(1), 36. <https://doi.org/10.29208/jsfk.2017.4.1.168>
- Oladejo, O., Imosemi, I., Osuagwu, F., Oluwadara, O., Aiku, A., Adewoyin, O., Ekpo, O., Oyedele, O., & Akang, E. (2010). *Enhancement of cutaneous wound healing by methanolic extracts of ageratum conyzoides in the wistar rat*. *African Journal of Biomedical Research*, 6(1), 27–31. <https://doi.org/10.4314/ajbr.v6i1.54019>
- Oso, B., Abey, N., Oyeleke, O., & Olowookere, B. (2018). *Comparative Study of the in vitro Antioxidant Properties of Methanolic Extracts of Chromolaena odorata and Ageratum conyzoides used in Wound Healing*. *International Annals of Science*, 6(1), 8–12. <https://doi.org/10.21467/ias.6.1.8-12>
- Perkeni. (2015). Konsesus Pengelolaan Dan Pencegahan Diabetes Melitus Tipe2 Di Indonesia 2015. In Perkeni. <https://www.google.com/url?sa=t&source=web&rct=j&url=https://pbperkeni.or.id/wp-content/uploads/2019/01/4.-Konsensus-Pengelolaan-dan-Pencegahan-Diabetes-melitus-tipe-2-di-Indonesia-PERKENI-2015.pdf&ved=2ahUKEwjy8KO8cfoAhXCb30KHQb1Ck0QFjADegQIBhAB&usg=AOv>
- Rahayu, T., Fudholi, A., & Fitria, A. (2016). Optimasi Formulasi Gel Ekstrak Daun Tembakau (*Nicotiana Tabacum*) Dengan Variasi Kadar Karbopol940 Dan Tea Menggunakan Metode Simplex Lattice Design (Sld). *Jurnal Ilmiah Farmasi*, 12(1), 22–34. <https://doi.org/10.20885/jif.vol12.iss1.art3>
- Rikomah, S. E., Firdita, R., Farmasi, A., Bengkulu, A.-F., Indragiri Gang, J., Padang, S., & Bengkulu, H. (2020). Efektifitas Ekstrak Etanol Daun Rumput Malaysia (*Chromolaena odorata L*) Pada Luka Diabetes Mencit Jantan (*Mus musculus*). *Jurnal.Akfarsam.Ac.Id*, 6(1), 17–23. http://www.jurnal.akfarsam.ac.id/index.php/jim_akfarsam/article/download/282/159
- Rohma, S. C., Umayah, E., & Holidah, D. (2015). Pengaruh Gel Binahong (Anredera cordifolia (Ten .) Steenis) terhadap Penyembuhan Luka Tikus Diabetes yang Diinduksi Aloksan . *E-Jurnal Pustaka Kesehatan*, 3(3), 414–418.
- Rosyid, F. N. (2017). *Etiology, pathophysiology, diagnosis and management of diabetics' foot ulcer*. *International Journal of Research in Medical Sciences*, 5(10), 4206. <https://doi.org/10.18203/2320-6012.ijrms20174548>
- Safani, E. E., Kunharjito, W. A. C., Lestari, A., & Purnama, E. R. (2019). Potensi Ekstrak Daun Bandotan (*Ageratum conyzoides L.*) Sebagai Spray Untuk

- Pemulihan Luka Mencit Diabetik Yang Terinfeksi *Staphylococcus aureus*. *Biotropic : The Journal of Tropical Biology*, 3(1), 68–78. <https://doi.org/10.29080/biotropic.2019.3.1.68-78>
- Sh Ahmed, A., Taher, M., Mandal, U. K., Jaffri, J. M., Susanti, D., Mahmood, S., & Zakaria, Z. A. (2019). *Pharmacological properties of Centella asiatica hydrogel in accelerating wound healing in rabbits*. *BMC Complementary and Alternative Medicine*, 19(1), 1–7. <https://doi.org/10.1186/s12906-019-2625-2>
- Siti Raudah, Kamil, W. L. (2020). Pengaruh Ekstrak Daun Pegagan (Centella Asiatica (L.) Urban) Terhadap Pertumbuhan Bakteri *Staphylococcus Aureus* Pada Luka Penderita Diabetes Mellitus Secara Invitro. *Jurnal Medika Karya Ilmiah Kesehatan*, 5(1).
- Subhawa Harsa. (2020). Efek Pemberian Ekstrak Daun Pegagan (Centella Asiatica) terhadap Penyembuhan Luka Sayat pada Tikus Putih Jantan (Rattus Norvegicus) Galur Wistar I Made Subhawa Harsa. *Online) Jurnal Ilmiah Kedokteran Wijaya Kusuma*, 9(1), 21–27.
- Sukmawan, Y. P. & W. rahayu ningsih. (2020). Uji efektivitas sediaan gel kombinasi ekstrak etanol *Ageratum conyzoides* L., *Centella asiatica* L. Urb., dan astaxanthin sebagai penyembuhan luka pada mencit (*Mus musculus*) galur swiss-webster. In *Russian Journal of Economics*. Sekolah Tinggi Ilmu Kesehatan Bakti Tunas Husada Tasikmalaya.
- Sulistiorini Indriaty, Yayan Rizikiyan, D. F. (2019). Formulasi Dan Uji Stabilitas Gel Antiaging Dari Kombinasi Ekstrak Etanol Kulit Buah Naga Merah (*Hylocereus Polyrhizus*) Dan Lendir Bekicot (*Achatina Fulica*) Dengan Variasi Gelling Agent Carbomer 940 1%, 1,25%, 1,5%Dan 1,75%. *Journal of Pharmacopolium*, 2(2), 104–111. <https://doi.org/10.36465/jop.v2i2.492>
- Sutrisno, E., Adnyana, I.K., Sukandar, E.Y., Fidrianny, I. dan Lestari, T. . (2014). Kajian aktivitas penyembuhan luka dan antibakteri binahong (. *Bionatura-Jurnal Ilmu-Ilmu Hayati Dan Fisik*, 16(2), 78–82.
- Veeruraj, A., Liu, L., Zheng, J., Wu, J., & Arumugam, M. (2019). *Evaluation of astaxanthin incorporated collagen film developed from the outer skin waste of squid Doryteuthis singhalensis for wound healing and tissue regenerative applications*. *Materials Science and Engineering C*, 95, 29–42. <https://doi.org/10.1016/j.msec.2018.10.055>
- Voight. (1994). Buku Pengantar Teknologi Farmasi, diterjemahkan oleh Soedani, N.Edisi V.Yogyakarta. Universitas Gadjah Mada Press.
- Voigt. (1995). Buku Pengantar Teknologi Farmasi. Yogyakarta : Universitas Gadjah Mada Press.
- Wounds International. (2014). *Best Practice Guidelines : Wound Management in. In Wounds International* (Vol. 5, Issue 2). <http://www.woundsinternational.com/clinical-guidelines/best-practice->

guidelines-wound-management-in-diabetic-foot-ulcers

Yudhantoro, L., Hidajat, N. N., Ismiarto, Y. D., & Ismono, D. (2019). *Histopathological Effects of Ageratum Leaf Extract (Ageratum Conyzoides) on Wound Healing Acceleration After Acute Excisional Wound on Epidermis in Type 2 Diabetes Mellitus Model of Sprague Dawley Rats (Rattus Norvegicus)*. *Majalah Kedokteran Bandung*, 51(3), 172–178.
<https://doi.org/10.15395/mkb.v51n3.1652>