

DAFTAR PUSTAKA

1. Enoch, S.; Leaper DJ. *Basic Science of Wound Healing*. 26th ed. Surgery; 2008.
2. Ding X, Tang Q, Xu Z, et al. Challenges and innovations in treating chronic and acute wound infections: from basic science to clinical practice. *Burn Trauma*. 2022;10. doi:10.1093/burnst/tkac014
3. Bock O, Schmid-Ott G, Malewski P, Mrowietz U. Quality of life of patients with keloid and hypertrophic scarring. *Arch Dermatol Res*. 2006;297(10):433-438. doi:10.1007/s00403-006-0651-7
4. Amici JM, Taieb C, Le Floc'h C, Demessant A, Seité S, Cogrel O. The impact of visible scars on well-being and quality of life: An international epidemiological survey in adults. *J Eur Acad Dermatology Venereol*. 2023;37(S3):3-6. doi:10.1111/jdv.18856
5. Naiara Vogt T, Koller FJ, Dias Santos PN, et al. Quality of life assessment in chronic wound patients using the Wound-QoL and FLQA-Wk instruments. *Investig y Educ en Enferm*. 2020;38(3):1-12. doi:10.17533/UDEA.IEE.V38N3E11
6. Al-Gharibi KA, Sharstha S, Al-Faras MA. Cost-effectiveness of wound care a concept analysis. *Sultan Qaboos Univ Med J*. 2018;18(4):e433-e439. doi:10.18295/squmj.2018.18.04.002
7. Guest JF, Fuller GW, Vowden P. Cohort study evaluating the burden of wounds to the UK's National Health Service in 2017/2018: Update from 2012/2013. *BMJ Open*. 2020;10(12):1-15. doi:10.1136/bmjopen-2020-045253
8. Sen CK. Human Wounds and Its Burden : An Updated Compendium of Estimates. 2019;8(2):39-48. doi:10.1089/wound.2019.0946
9. Kolimi P, Narala S, Nyavanandi D, Youssef AAA, Dudhipala N. Innovative Treatment Strategies to Accelerate Wound Healing: Trajectory and Recent Advancements. *Cells*. 2022;11(15). doi:10.3390/cells11152439
10. Tottoli EM, Dorati R, Genta I, Chiesa E, Pisani S, Conti B. Skin wound healing process and new emerging technologies for skin wound care and regeneration. *Pharmaceutics*. 2020;12(8):1-30. doi:10.3390/pharmaceutics12080735
11. Chicharro-Alcántara D, Rubio-Zaragoza M, Damiá-Giménez E, et al. Platelet rich plasma: New insights for cutaneous wound healing management. *J Funct Biomater*. 2018;9(1). doi:10.3390/jfb9010010
12. Darwin E, Tomic-Canic M. Healing Chronic Wounds: Current Challenges and Potential Solutions. *Curr Dermatol Rep*. 2018;7(4):296-302. doi:10.1007/s13671-018-0239-4
13. Trinh XT, Long N Van, Van Anh LT, et al. A Comprehensive Review of Natural Compounds for Wound Healing: Targeting Bioactivity Perspective. *Int J Mol Sci*. 2022;23(17). doi:10.3390/ijms23179573

14. Cheng YL, Lee CY, Huang YL, et al. Medicinal Plants in Wound Healing. *Intech*. 2016;11(tourism):13. <https://www.intechopen.com/books/advanced-biometric-technologies/liveness-detection-in-biometrics>
15. Ekor M. The growing use of herbal medicines: Issues relating to adverse reactions and challenges in monitoring safety. *Front Neurol*. 2014;4 JAN(January):1-10. doi:10.3389/fphar.2013.00177
16. Sharma A, Khanna S, Kaur G, Singh I. Medicinal plants and their components for wound healing applications. *Futur J Pharm Sci*. 2021;7(1). doi:10.1186/s43094-021-00202-w
17. Hambire C, Hambire U. Comparative Evaluation of 2% Curcumin and 2% Aloe Vera Gel in the Management of Chronic Recurrent Oral Aphthous Ulcers: A Clinical Study. *Toxicol Int*. 2020;27(1&2 SE-Research Articles):28-33. doi:10.18311/ti/2020/v27i1&2/25040
18. Oktaviani DJ, Widiyastuti S, Maharani DA, Amalia AN, Ishak AM, Zuhrotun A. Bahan Alami Penyembuh Luka. *Farmasetika.com (Online)*. 2019;4(3):44. doi:10.24198/farmasetika.v4i3.22939
19. Firdaus NR, Hayati PD, Yusniwati. KARAKTERISASI FENOTIPIK UBI KAYU (*Manihot esculenta Crantz*) LOKAL SUMATERA BARAT. *J Agroteknologi*. 2016;10(01):104-116.
20. Salehi B, Machin L, Monzote L, et al. Therapeutic Potential of Quercetin: New Insights and Perspectives for Human Health. *ACS Omega*. 2020;5(20):11849-11872. doi:10.1021/acsomega.0c01818
21. Ainul Yahya M, Hanifah Nurrosyidah I. Aktivitas antioksidan ekstrak etanol herba pegagan (*Centella asiatica* (L.) Urban) dengan metode DPPH (2,2-difenil-1-pikrilhidrazil). *J Halal Prod Res*. Published online 2020:106–12.
22. Wahyuningtyas SEP, Permana IDGM, Wiadnyani AAI. Pengaruh Jenis Pelarut Terhadap Kandungan Senyawa Kurkumin Dan Aktivitas Antioksidan Ekstrak Kunyit (*Curcuma domestica* Val.). *Itepa*. 2017;6(2):61-70. <https://ojs.unud.ac.id/index.php/itepa/article/view/36950/22387>
23. Wicaksono, Agung, Indah Lestari and CKR. Uji Pelarut Ekstraksi Aktivitas Antioksidan Pada Lidah Buaya. *Anal Kesehatan SAINS*. 2018;7(1).
24. Sayakti P indah, Anisa N, Ramadhan H. Pengukuran aktivitas antioksidan ekstrak metanol daun singkong (*Manihot esculenta Crantz*) menggunakan metode CUPRAC. *J Ilm Farm (Scientific J Pharmacy) Spec Ed*. 2022;2022:97-106. <http://journal.uui.ac.id/index.php/JIF>
25. Cristina A, Gonzalez DO. Wound healing - A literature review *. (Figure 1):614-620.
26. Alavi A, Kirsner RS. Wound Healing. In: Kang S, Amagai M, Bruckner AL, et al., eds. *Fitzpatrick's Dermatology, 9e*. McGraw-Hill Education; 2019. <http://accessmedicine.mhmedical.com/content.aspx?aid=1161351153>
27. Gurtner GC. *Wound Healing, Normal Plastic, and Abnormal*. In: *Grabb and Smith's Lippincott, Surgery*. 7th ed. Philadelphia: Williams & Wilkin, pp.; 2014.

28. M DKnR. The impact of quercetin on wound healing relates to changes in α V and β 1 integrin expression. Published online 2017:242(14):1424-1431.
29. Choudhary A, Kant V, Jangir BL, Joshi VG. Quercetin loaded chitosan tripolyphosphate nanoparticles accelerated cutaneous wound healing in Wistar rats. *Eur J Pharmacol.* 2020;880(November 2019):173172. doi:10.1016/j.ejphar.2020.173172
30. Taskan M, Yuce H, Karatas O, Gevrek F. Topical quercetin gel application improved wound healing in wistar rats. *Ann Med Res.* 2019;26(10):2397. doi:10.5455/annalsmedres.2019.05.289
31. Masson-Meyers DS, Andrade TAM, Caetano GF, et al. Experimental models and methods for cutaneous wound healing assessment. *Int J Exp Pathol.* 2020;101(1-2):21-37. doi:10.1111/iep.12346
32. Parnell LKS, Volk SW. The Evolution of Animal Models in Wound Healing Research: 1993-2017. *Adv Wound Care.* 2019;8(12):692-702. doi:10.1089/wound.2019.1098
33. Jong S de. *Buku Ajar Ilmu Bedah.* edisi 4 Vo.; 2017.
34. Ridiandries A, Tan JTM, Bursill CA. The role of chemokines in wound healing. *Int J Mol Sci.* 2018;19(10). doi:10.3390/ijms19103217
35. Young A, McNaught CE. The physiology of wound healing. *Surgery.* 2011;29(10):475-479. doi:10.1016/j.mpsur.2011.06.011
36. Sorg JMRH. Wound Repair and Regeneration. Published online 2012:35-43. doi:10.1159/000339613
37. Rodrigues M, Kosaric N, Bonham CA, Gurtner GC. Wound healing: A cellular perspective. *Physiol Rev.* 2019;99(1):665-706. doi:10.1152/physrev.00067.2017
38. Khanam S. A systematic review on wound healing and its promising medicinal plants. *IP Int J Compr Adv Pharmacol.* 2021;5(4):170-176. doi:10.18231/j.ijcaap.2020.036
39. Dogan KH. *Wound Healing.* IntechOpen; 2019. doi:10.5772/intechopen.73808
40. Stenis. toksonomi singkong. Published online 2003.
41. Jurni, J. (2020). Klasifikasi dan Morfologi Tanaman Singkong (Manihot esculenta). Skripsi. Universitas Muhammadiyah Surabaya. Surabaya.
42. Sebiomo A and B. The phytochemical, proximate and mineral contents of cassava leaves and nutritive values. *J Turkish Chem Soc Sect A Chem.* 2020;7(3):675-690. doi:10.18596/jotcsa.733516
43. Riliani M, Kusuma I, Halim A, Muhammad A, Fitrianto A, Eka Narendra IB. The Role of Fibroblast Proliferation in Wound Healing by Different Plants: An Experimental Study. In: *Proceedings of the 1st Jenderal Soedirman International Medical Conference in Conjunction with the 5th Annual Scientific Meeting (Temilnas) Consortium of Biomedical Science Indonesia.* SCITEPRESS - Science and Technology Publications; 2020:5-9.

doi:10.5220/0010486300050009

44. Boukhers I, Boudard F, Morel S, et al. Nutrition, Healthcare Benefits and Phytochemical Properties of Cassava (*Manihot esculenta*) Leaves Sourced from Three Countries (Reunion, Guinea, and Costa Rica). *Foods*. 2022;11(14):2027. doi:10.3390/foods11142027
45. Jampa M, Sutthanut K, Weerapreeyakul N, Tukummee W, Wattanathorn J, Muchimapura S. Multiple Bioactivities of *Manihot esculenta* Leaves: UV Filter, Anti-Oxidation, Anti-Melanogenesis, Collagen Synthesis Enhancement, and Anti-Adipogenesis. *Molecules*. 2022;27(5):1556. doi:10.3390/molecules27051556
46. McKay TB, Emmitte KA, German C, Karamichos D. Quercetin and Related Analogs as Therapeutics to Promote Tissue Repair. *Bioengineering*. 2023;10(10):1127. doi:10.3390/bioengineering10101127
47. Mirza MA, Mahmood S, Hilles AR, et al. Quercetin as a Therapeutic Product: Evaluation of Its Pharmacological Action and Clinical Applications—A Review. *Pharmaceuticals*. 2023;16(11):1631. doi:10.3390/ph16111631
48. Batiha GES, Beshbishy AM, Ikram M, et al. The Pharmacological Activity, Biochemical Properties, and Pharmacokinetics of the Major Natural Polyphenolic Flavonoid: Quercetin. *Foods*. 2020;9(3):374. doi:10.3390/foods9030374
49. Cai X, Fang Z, Dou J, Yu A, Zhai G. Bioavailability of Quercetin: Problems and Promises. *Curr Med Chem*. 2013;20(20):2572-2582. doi:10.2174/09298673113209990120
50. Aghababaei F, Hadidi M. Recent Advances in Potential Health Benefits of Quercetin. *Pharmaceuticals*. 2023;16(7):1020. doi:10.3390/ph16071020
51. Dabeek WM, Marra MV. Dietary Quercetin and Kaempferol: Bioavailability and Potential Cardiovascular-Related Bioactivity in Humans. *Nutrients*. 2019;11(10):2288. doi:10.3390/nu11102288
52. Fachriyah E, Haryanto IB, Kusriani D, Sarjono PR, Ngadiwiyan N. Antioxidant Activity of Flavonoids from Cassava Leaves (*Manihot esculenta* Crantz). *J Kim Sains dan Apl*. 2023;26(1):10-18. doi:10.14710/jksa.26.1.10-18
53. Abdul A. Uji Aktivitas Antioksidan Ekstrak Etanol Daun Adas (*Foeniculum Vulgare* Mill) Dengan Metode DPPH Dan FRAP. *Pharmed J Pharm Sci Med Res*. 2020;3(2):43. doi:10.25273/pharmed.v3i2.7456
54. Mardiah N, Mulyanto C, Amelia A, Lisnawati L, Anggraeni D, Rahmawanty D. Penentuan Aktivitas Antioksidan dari Ekstrak Kulit Bawang Merah (*Allium ascalonicum* L.) Dengan Metode DPPH. *J Pharmascience*. 2017;4(2). doi:10.20527/jps.v4i2.5768
55. Polera N, Badolato M, Perri F, Carullo G, Aiello F. Quercetin and its Natural Sources in Wound Healing Management. *Curr Med Chem*. 2019;26(31):5825-5848. doi:10.2174/0929867325666180713150626

56. Yin G, Wang Z, Wang Z, Wang X. Topical application of quercetin improves wound healing in pressure ulcer lesions. *Exp Dermatol*. 2018;27(7):779-786. doi:10.1111/exd.13679
57. Beken B, Serttas R, Yazicioglu M, Turkecul K, Erdogan S. Quercetin Improves Inflammation, Oxidative Stress, and Impaired Wound Healing in Atopic Dermatitis Model of Human Keratinocytes. *Pediatr Allergy Immunol Pulmonol*. 2020;33(2):69-79. doi:10.1089/ped.2019.1137
58. Huang H, Chen Y, Hu J, et al. Quercetin and its derivatives for wound healing in rats/mice: Evidence from animal studies and insight into molecular mechanisms. *Int Wound J*. 2024;21(2). doi:10.1111/iwj.14389
59. Sa A. Efficacy of Quercetin on rat eyelid wound healing , a randomized , sham-controlled double-blind study Introduction : Method and Materials : Published online 2024:1-18.
60. Zulkefli N, Che Zahari CNM, Sayuti NH, et al. Flavonoids as Potential Wound-Healing Molecules: Emphasis on Pathways Perspective. *Int J Mol Sci*. 2023;24(5):4607. doi:10.3390/ijms24054607
61. Kant V, Jangir BL, Kumar V, Nigam A, Sharma V. Quercetin accelerated cutaneous wound healing in rats by modulation of different cytokines and growth factors. *Growth Factors*. 2020;0(0):1-15. doi:10.1080/08977194.2020.1822830
62. Gopalakrishnan A, Ram M, Kumawat S, Tandan SK, Kumar D. Quercetin accelerated cutaneous wound healing in rats by increasing levels of VEGF and TGF- β 1. *Indian J Exp Biol*. 2016;54(3):187-195.
63. Deng Z, Fan T, Xiao C, et al. TGF- β signaling in health, disease, and therapeutics. *Signal Transduct Target Ther*. 2024;9(1):61. doi:10.1038/s41392-024-01764-w
64. Wulandari P, Hutagalung M, Perdanakusuma D. Deteksi Kadar Transforming Growth Factor (Tgf-B) Pada Luka Akut. *J Rekonstruksi dan Estet*. 2021;6(1):1. doi:10.20473/jre.v6i1.28225
65. Febriyenti F, Fitria N, Mohtar N, Umar S, Noviza D, Rineldi S et al. Honey gel and film for burn wound. *Int J Drug Deliv*. 2014;6(1):1-7.
66. Kant V, Jangir BL, Sharma M, Kumar V, Joshi VG. Topical application of quercetin improves wound repair and regeneration in diabetic rats. *Immunopharmacol Immunotoxicol*. 2021;43(5):536-553. doi:10.1080/08923973.2021.1950758
67. Diah H, Sabaniah, Indriyanti N. Evaluasi Formula dan Uji Penetrasi Gel Kuersetin Sebagai Obat Luka Sayat Pada Kelinci. *Proceeding Mulawarman Pharm Conf*. 2019;10:52-57. doi:10.25026/mpc.v10i1.362
68. Kant V, Jangir BL, Nigam A, Kumar V, Sharma S. Dose regulated cutaneous wound healing potential of quercetin in male rats. *Biochem Pharmacol*. Published online 2017. doi:10.1016/j.wndm.2017.10.004
69. Mi Y, Zhong L, Lu S, et al. Quercetin promotes cutaneous wound healing in mice through Wnt/ β -catenin signaling pathway. *J Ethnopharmacol*.

2022;290:115066. doi:10.1016/j.jep.2022.115066

70. Jere SW, Houreld NN. Regulatory Processes of the Canonical Wnt/ β -Catenin Pathway and Photobiomodulation in Diabetic Wound Repair. *Int J Mol Sci.* 2022;23(8):4210. doi:10.3390/ijms23084210
71. Wong SK, Chin KY, Ima-Nirwana S. Quercetin as an Agent for Protecting the Bone: A Review of the Current Evidence. *Int J Mol Sci.* 2020;21(17):6448. doi:10.3390/ijms21176448
72. Fu J, Huang J, Lin M, Xie T, You T. Quercetin Promotes Diabetic Wound Healing via Switching Macrophages From M1 to M2 Polarization. *J Surg Res.* 2020;246:213-223. doi:10.1016/j.jss.2019.09.011
73. Krzyszczyk P, Schloss R, Palmer A, Berthiaume F. The Role of Macrophages in Acute and Chronic Wound Healing and Interventions to Promote Pro-wound Healing Phenotypes. *Front Physiol.* 2018;9. doi:10.3389/fphys.2018.00419
74. Trinh XT, Long NV, Van Anh LT, et al. A Comprehensive Review of Natural Compounds for Wound Healing: Targeting Bioactivity Perspective. *Int J Mol Sci.* 2022;23(17):9573. doi:10.3390/ijms23179573
75. Jayadi T, Krismi A. The Differences Of Wound Healing Indicators In Non Diabetic And Diabetic Wistar Rat In Topical Application Of Curcumin. *Berk Ilm Kedokt Duta Wacana.* 2015;01(01):11-27.
76. Muhar AM, Makharim F, Hermansyah D, Putra A, Hidayah N, Amalina ND. Hypoxic mesenchymal stem cell - conditioned medium accelerates wound healing by regulating IL - 10 and TGF - β levels in a full - thickness - wound rat model. 2022;27(4). doi:10.22146/ijbiotech.63914
77. Antifibrotic effects of Quercetin on TGF- β 1-induced vocal fold fibroblasts.pdf.
78. Gong F, Zhang Y, Cheng S, et al. Inhibition of TGF β 1/Smad pathway by NF- κ B induces inflammation leading to poor wound healing in high glucose. *Cells Dev.* 2022;172:203814. doi:10.1016/j.cdev.2022.203814
79. Abd El Aleem SAER, Jude E. Inhibition of Wound TGF Beta-1 by Celecoxib: A Possible Therapeutic Route for Scar Free Wound. *J Cytol Histol.* 2017;08(05). doi:10.4172/2157-7099.1000481
80. Nogami M, Hoshi T, Kinoshita M, Arai T, Takama M, Takahashi I. Vascular endothelial growth factor expression in rat skin incision wound. *Med Mol Morphol.* 2007;40(2):82-87. doi:10.1007/s00795-007-0357-8
81. Irfan F, Jameel F, Khan I, Aslam R, Faizi S, Salim A. Role of quercetin and rutin in enhancing the therapeutic potential of mesenchymal stem cells for cold induced burn wound. *Regen Ther.* 2022;21:225-238. doi:10.1016/j.reth.2022.07.011
82. Clarkin CE, Gerstenfeld LC. VEGF and bone cell signalling: an essential vessel for communication? *Cell Biochem Funct.* 2013;31(1):1-11. doi:10.1002/cbf.2911

83. Radreau P, Rhodes JD, Mithen RF, Kroon PA, Sanderson J. Hypoxia- inducible factor-1 (HIF-1) pathway activation by quercetin in human lens epithelial cells. *Exp Eye Res.* 2009;89(6):995-1002. doi:10.1016/j.exer.2009.08.011
84. Johnson KE, Wilgus TA. Vascular Endothelial Growth Factor and Angiogenesis in the Regulation of Cutaneous Wound Repair. 2014;3(10):647-661. doi:10.1089/wound.2013.0517
85. Shams F, Moravvej H, Hosseinzadeh S, et al. Overexpression of VEGF in dermal fibroblast cells accelerates the angiogenesis and wound healing function: in vitro and in vivo studies. *Sci Rep.* 2022;12(1):18529. doi:10.1038/s41598-022-23304-8
86. Wilgus TA. Vascular Endothelial Growth Factor and Cutaneous Scarring. *Adv Wound Care.* 2019;8(12):671-678. doi:10.1089/wound.2018.0796
87. Bao P, Kodra A, Tomic-Canic M, Golinko MS, Ehrlich HP, Brem H. The Role of Vascular Endothelial Growth Factor in Wound Healing. *J Surg Res.* 2009;153(2):347-358. doi:10.1016/j.jss.2008.04.023
88. Choudhary V, Choudhary M, Bollag WB. Exploring Skin Wound Healing Models and the Impact of Natural Lipids on the Healing Process. *Int J Mol Sci.* 2024;25(7):3790. doi:10.3390/ijms25073790
89. Okumo T, Furuta A, Kimura T, Yusa K, Asano K, Sunagawa M. Inhibition of Angiogenic Factor Productions by Quercetin In Vitro and In Vivo. *Medicines.* 2021;8(5):22. doi:10.3390/medicines8050022
90. Ghasemali S, Barzegar A, Farajnia S, et al. VEGFR2 Mimicking Peptide Inhibits the Proliferation of Human Umbilical Vein Endothelial Cells (Huvecs) by Blocking VEGF. *Anticancer Agents Med Chem.* 2023;23(14):1678-1688. doi:10.2174/1871520623666230517141144
91. Uttarawichien T, Kamnerdnond C, Inwisai T, Suwannalert P, Sibmoo N, Payuhakrit W. Quercetin Inhibits Colorectal Cancer Cells Induced- Angiogenesis in Both Colorectal Cancer Cell and Endothelial Cell through Downregulation of VEGF-A/VEGFR2. *Sci Pharm.* 2021;89(2):23. doi:10.3390/scipharm89020023