DAFTAR PUSTAKA

1. Abazari M, Ghaffari A, Rashidzadeh H, Badeleh SM, Maleki Y. A Systematic Review on Classification, Identification, and Healing Process of Burn Wound Healing. Vol. 21, International Journal of Lower Extremity Wounds. SAGE Publications Inc.; 2022. p. 18–30.

2. Wardhana A, Winarno GA. Epidemiology and Mortality of Burn Injury in Ciptomangunkusumo Hospital, Jakarta: A 5 Year Retrospective Study. Jurnal Plastik Rekonstruksi [Internet]. 2017; Available from: www.jprjournal.com

3. Alejandra P, Saavedra E, De Oliveira Leal JV, Alves Areda C, Galato D. The Costs of Burn Victim Hospital Care around the World: A Systematic Review. Vol. 50, Iran J Public Health. 2021.

4. Rahmad M, Tisya. Gambaran Kasus Luka Bakar di Bagian Bedah RSUP Dr. M. Djamil Padang Tahun 2016-2017 [Tesis]. [Padang]: Universitas Andalas; 2019.

5. Jafaryparvar Z, Adib M, Ghanbari A, Ali Yazdanipour M. Predictors of short-term outcomes of burn in a newly established burn centre in Iran. Nurs Open. 2021 Nov 1;8(6):2986–95.

6. Woolard A, Hill NTM, McQueen M, Martin L, Milroy H, Wood FM, et al. The psychological impact of paediatric burn injuries: a systematic review. BMC Public Health. 2021 Dec 1;21(1).

7. Cahaya N, Erfenna E, Program DR, Farmasi S, Matematika F, Ilmu D, et al. Pengaruh Pemberian Gel Kuersetin Terhadap Jumlah Fibroblas dan Re-Epitelisasi Dalam Proses Penyembuhan Luka Bakar Derajat IIA Pada Tikus Jantan. 2018;2(1):2598–2095.

8. Han HS, Jeong GJ, Hong JY, Kim BJ. Severe chemical burn leaving an irredeemable scar because of unskilled chemical peel at an oriental medicine clinic. Int Wound J. 2019 Aug;16(4):1049–51.

9. Caccavale S, Tancredi V, Vitiello P, Sica A, Ronchi A, Franco R, et al. Photodynamic Therapy as an Effective Treatment for Cutaneous Lymphomas. Vol. 15, Pharmaceutics. MDPI; 2023.

10. Wang E, Rodrigues M. An update and review of narrowband ultraviolet B phototherapy for vitiligo. Dermatological Reviews. 2022 Oct 20;3(5):326–35.

11. Singh S, Young A, McNaught CE. The physiology of wound healing. Vol. 35, Surgery (United Kingdom). Elsevier Ltd; 2017. p. 473–7.

12. Walter AS, Volkmer E, Gauglitz G, Böcker W, Saller MM. Systematic review of molecular pathways in burn wound healing. Burns. 2023 Mar;

13. Eming SA. Biology of Wound Healing. In: Bolognia JL, Schaffer J V, Cerroni L, editors. Dermatology. 4th ed. Elsevier; 2018. p. 2413–24.

14. Barrientos S, Brem H, Stojadinovic O, Tomic-Canic M. Clinical application of growth factors and cytokines in wound healing. Wound Repair and Regeneration. 2014 Sep 1;22(5):569–78.

15. Alavi A, Kirsner RS. Wound Healing. In: Kang S, Amagai M, BRuckner AL, Enk AH, Margolis DJ, McMichael AJ, et al., editors. Fitzpatrick's Dermatology. 9th ed. New York: McGraw-Hill Education; 2019. p. 2700–13.

16. O'Toole EA. Cutaneous Response to Injury and Wound Healing. In: Griffiths C, Barker J, Bleiker T, Chalmers R, Creamer D, editors. Rook's Textbook of Dermatology. 9th ed. John Wiley & Sons, Ltd.; 2016.

17. Vaidyanathan L. Growth Factors in Wound Healing: A Review. Vol. 14, Biomedical and Pharmacology Journal. Oriental Scientific Publishing Company; 2021. p. 1469–80.

18. Lichtman MK, Otero-Vinas M, Falanga V. Transforming growth factor beta (TGF-β) isoforms in wound healing and fibrosis. Vol. 24, Wound Repair and Regeneration. Blackwell Publishing Inc.; 2016. p. 215–22.

19. Mulder PPG, Vlig M, Fasse E, Stoop MM, Pijpe A, van Zuijlen PPM, et al. Burn-injured skin is marked by a prolonged local acute inflammatory response of innate immune cells and pro-inflammatory cytokines. Front Immunol. 2022 Nov 14;13.

20. Rowan MP, Cancio LC, Elster EA, Burmeister DM, Rose LF, Natesan S, et al. Burn wound healing and treatment: Review and advancements. Vol. 19, Critical Care. BioMed Central Ltd.; 2015.

21. Luo K. Signaling cross talk between TGF-β/Smad and other signaling pathways. Vol. 9, Cold Spring Harbor Perspectives in Biology. Cold Spring Harbor Laboratory Press; 2017.

22. Miyazawa K, Miyazono K. Regulation of TGF-β family signaling by inhibitory smads. Cold Spring Harb Perspect Biol. 2017 Mar 1;9(3).

23. Khanam S. A systematic review on wound healing and its promising medicinal plants. IP International Journal of Comprehensive and Advanced Pharmacology. 2021 Jan 28;5(4):170–6.

24. Al-Ahmad BEM, Mustafa NS, Mokhtar KI, Lestari W, Sha'ban M, Nazri AA, et al. Effect of Flaxseed on TGF-B, IL-6, and MMP9 Genes Expression during Wound Healing Process in Rabbits. Open Access Maced J Med Sci. 2023 Jan 17;11(A):41–6.

25. Liarte S, Bernabé-García Á, Nicolás FJ. Role of TGF-β in Skin Chronic Wounds: A Keratinocyte Perspective. Vol. 9, Cells. NLM (Medline); 2020.

26. Wang F, Gao Y, Li H, Zhou L, Shi H, Feng S, et al. Effect of natural-based biological hydrogels combined with growth factors on skin wound healing. Vol. 11, Nanotechnology Reviews. De Gruyter Open Ltd; 2022. p. 2493–512.

27. Han CM, Cheng B, Wu P. Clinical guideline on topical growth factors for skin wounds. Vol. 8, Burns and Trauma. Oxford University Press; 2020.

28. 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):536–53.

29. Kuete V. Physical, Hematological, and Histopathological Signs of Toxicity Induced by African Medicinal Plants. In: Toxicological Survey of African Medicinal Plants. Elsevier Inc.; 2014. p. 635–57.

30. Syukur Siregar R, Firmansyah Tanjung A, Fadhly Siregar A, Hartono Bangun I, Oniva Mulya M. Studi Literatur Tentang Pemanfaatan Tanaman Obat Tradisional. Seminar of Social Sciences Engineering & Humaniora. 2020;385–91.

31. Sayakti PI, Anisa N, Ramadhan H. Antioxidant activity of methanol extract of cassava leaves (Manihot esculenta Crantz) using CUPRAC method. Jurnal Ilmiah Farmasi. 2022 Jan 31;97–106.

32. Shah PM. Quercetin-A Flavonoid :A Systematic Review. J Pharm Sci & Res. 2016;

33. Yin G, Wang Z, Wang Z, Wang X. Topical application of quercetin improves wound healing in pressure ulcer lesions. Exp Dermatol. 2018 Jul 1;27(7):779–86.

34. 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.

35. Rahman H, Jannah R, Program S, Farmasi S, Kedokteran F, Kesehatan I, et al. Uji Preklinik: Aktivitas Penyembuhan Luka Bakar Ekstrak Air Daun Singkong (Manihot esculenta). Jurnal Pharmascience [Internet]. 2022;9(2):280–6. Available from: https://ppjp.ulm.ac.id/journal/index.php/pharmascience

36. Kant V, Jangir BL, Nigam A, Kumar V, Sharma S. Dose regulated cutaneous wound healing potential of quercetin in male rats. Wound Medicine. 2017 Dec 1;19:82–7.

37. Tran HA, Ly KL, Fox KE, Tran PA, Nguyen TH. Immobilization of antimicrobial silver and antioxidant flavonoid as a coating for wound dressing materials. Int J Nanomedicine. 2019;14:9929–39.

38. Gibson A, Joe V, Carson J, Litt J, Carter J, Holmes J. 52 Open-Label, Expanded-Access Study of a Bioengineered Allogeneic Cellularized Construct in Adults With Deep Partial-Thickness Burns. Journal of Burn Care & Research. 2023 May 15;44(Supplement_2):S22–S22.

39. Varon DE, Carlsson AH, Cooper LE, Chapa J, Valdera FA, Christy S, et al. Evaluation of Topical Off-The-Shelf Therapies to Improve Prolonged Field Care of Burn-Injured Service Members. Mil Med. 2023 Aug 29;188(9–10):3034–44.

40. Sandhiutami NMD, Fahleni F, Miftahurrohmah N, Widhiyasari NKA, Azalia A, Amalia I. Enhanced wound healing effect of Areca catechu L. ointment via antibacterial activity and anti-inflammatory process at grade IIA burns in rats. Journal of Herbmed Pharmacology. 2023 Jun 1;12(3):388–98.

41. Anggowarsito JL. Luka Bakar Sudut Pandang Dermatologi. Jurnal Widya Medika Surabaya. 2014;2(2):115–20.

42. Hussain Z, Thu HE, Rawas-Qalaji M, Naseem M, Khan S, Sohail M. Recent developments and advanced strategies for promoting burn wound healing. Vol. 68, Journal of Drug Delivery Science and Technology. Editions de Sante; 2022.

43. Sutrisno T, Huda N, Nurlely N, Cahaya N, Srikartika VM. Efektivitas Gel Kuersetin pada Penyembuhan Luka Bakar Derajat IIA. MPI (Media Pharmaceutica Indonesiana). 2017 Mar 8;1(1):1–11.

44. Stella E, Wahyuningsih KA. Perbandingan Perubahan Luas Luka dan Angiogenesis pada Luka Bakar Derajat IIB Tikus Sprague Dawley yang Diberikan Advanced Platelet-rich Fibrin dan Advanced Platelet-rich Fibrin Plus. Jurnal Kesehatan Andalas. 2021 Sep 12;10(2):94.

45. Chiang RS, Borovikova AA, King K, Banyard DA, Lalezari S, Toranto JD, et al. Current concepts related to hypertrophic scarring in burn injuries. Vol. 24, Wound Repair and Regeneration. Blackwell Publishing Inc.; 2016. p. 466–77.

46. Singer AJ. Healing Mechanisms in Cutaneous Wounds: Tipping the Balance. Vol. 28, Tissue Engineering - Part B: Reviews. Mary Ann Liebert Inc.; 2022. p. 1151–67.

47. Chamorro CI, Reinfeldt Engberg G, Fossum M. Molecular and histological studies of bladder wound healing in a rodent model. Wound Repair and Regeneration. 2020 May 1;28(3):293–306.

48. Carter D, Warsen A, Mandell K, Cuschieri J, Maier R V., Arbabi S. Delayed topical p38 MAPK inhibition attenuates full-thickness burn wound inflammatory signaling. Journal of Burn Care and Research. 2014 Mar;35(2).

49. Xiao M, Li L, Hu Q, Ma L, Liu L, Chu W, et al. Rapamycin reduces burn wound progression by enhancing Autophagy in deep second-degree burn in rats. In: Wound Repair and Regeneration. 2013. p. 852–9.

50. Karppinen SM, Heljasvaara R, Gullberg D, Tasanen K, Pihlajaniemi T. Toward understanding scarless skin wound healing and pathological scarring. Vol. 8, F1000Research. F1000 Research Ltd; 2019.

51. Cherng JH. Calcium Alginate Polysaccharide Dressing as an Accelerated Treatment for Burn Wound Healing. In: Wound Healing. IntechOpen; 2020.

52. Khalil R, Yahya G, Abdo WS, El-Tanbouly GS, Johar D, Abdel-Halim MS, et al. Emerging Approach for the Application of Hibiscus sabdariffa Extract Ointment in the Superficial Burn Care. Sci Pharm. 2022 Sep 1;90(3).

53. Liu J, Zhang X. Effect of the combination of composite skin grafting and recombinant human basic fibroblast growth factor on plastic surgery for extensive scars after burns. Tropical Journal of Pharmaceutical Research. 2022 Aug 1;21(8):1739–46.

54. Liu Z, Wu H, Huang S. Role of NGF and its receptors in wound healing (Review). Exp Ther Med. 2021 Apr 11;21(6).

55. Sorg H, Tilkorn DJ, Hager S, Hauser J, Mirastschijski U. Skin Wound Healing: An Update on the Current Knowledge and Concepts. Vol. 58, European Surgical Research. S. Karger AG; 2017. p. 81–94.

56. Jeschke MG, van Baar ME, Choudhry MA, Chung KK, Gibran NS, Logsetty S. Burn injury. Nat Rev Dis Primers. 2020 Dec 1;6(1).

57. Ghaneialvar H, Kayumov A, Aboualigalehdari E, Pakzad I, Tanideh N, Abbasi N, et al. Docosahexaenoic acid-loaded chitosan/alginate membrane reduces biofilm formation by P. aeruginosa and promotes MSC-mediated burn wound healing. J Biomater Appl. 2023 Mar 3;37(8):1458–69.

58. Ogawa R. Keloid and hypertrophic scars are the result of chronic inflammation in the reticular dermis. Vol. 18, International Journal of Molecular Sciences. MDPI AG; 2017.

59. Jafari H, Bernaerts K V., Dodi G, Shavandi A. Chitooligosaccharides for wound healing biomaterials engineering. Vol. 117, Materials Science and Engineering C. Elsevier Ltd; 2020.

60. 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. Vol. 9, Frontiers in Physiology. Frontiers Media S.A.; 2018.

61. Hesketh M, Sahin KB, West ZE, Murray RZ. Macrophage phenotypes regulate scar formation and chronic wound healing. Vol. 18, International Journal of Molecular Sciences. MDPI AG; 2017.

62. 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. Vol. 12, Pharmaceutics. MDPI AG; 2020. p. 1–30.

63. Shi H, Lo TH, Ma D, Condor B, Lesmana B, Parungao RJ, et al. Dihydrotestosterone (Dht) enhances wound healing of major burn injury by accelerating resolution of inflammation in mice. Int J Mol Sci. 2020 Sep 1;21(17):1–15.

64. Xue M, Jackson CJ. Extracellular Matrix Reorganization During Wound Healing and Its Impact on Abnormal Scarring. Adv Wound Care (New Rochelle). 2015 Mar;4(3):119–36.

65. El Ayadi A, Jay JW, Prasai A. Current approaches targeting the wound healing phases to attenuate fibrosis and scarring. Vol. 21, International Journal of Molecular Sciences. MDPI AG; 2020.

66. Caley MP, Martins VLC, O'Toole EA. Metalloproteinases and Wound Healing. Adv Wound Care (New Rochelle). 2015 Apr;4(4):225–34.

67. Wang Y, Beekman J, Hew J, Jackson S, Issler-Fisher AC, Parungao R, et al. Burn injury: Challenges and advances in burn wound healing, infection, pain and scarring. Vol. 123, Advanced Drug Delivery Reviews. Elsevier B.V.; 2018. p. 3–17.

68. Ahmed BT, Saeed MY, Noori SH, Amin DM. TGF-β1 Gene Polymorphism and Its Correlation with Serum Level of TGF-β1 in Psoriasis Vulgaris Among Iraqi People. Clin Cosmet Investig Dermatol. 2020 Nov;Volume 13:889–96.

69. Zhang X, Zhang P, Shao M, Zang X, Zhang J, Mao F, et al. SALL4 activates TGF-β/SMAD signaling pathway to induce EMT and promote gastric cancer metastasis. Cancer Manag Res. 2018 Oct;Volume 10:4459–70.

70. Liu YL, Yang WH, Chen BY, Nie J, Su ZR, Zheng JN, et al. miR-29b suppresses proliferation and induces apoptosis of hepatocellular carcinoma ascites H22 cells via regulating TGF-β1 and p53 signaling pathway. Int J Mol Med. 2021 Jun 25;48(2):157.

71. Liu YL, Yang WH, Chen BY, Nie J, Su ZR, Zheng JN, et al. miR-29b suppresses proliferation and induces apoptosis of hepatocellular carcinoma ascites H22 cells via regulating TGF-β1 and p53 signaling pathway. Int J Mol Med. 2021 Jun 25;48(2):157.

72. Wang J, Xiang H, Lu Y, Wu T. Role and clinical significance of TGF-β1 and TGF-βR1 in malignant tumors (Review). Int J Mol Med. 2021 Feb 15;47(4):55.

73. Ueda S, Tominaga T, Ochi A, Sakurai A, Nishimura K, Shibata E, et al. TGF-β1 is involved in senescence-related pathways in glomerular endothelial cells via p16 translocation and p21 induction. Sci Rep. 2021 Dec 1;11(1).

74. Edwards JP, Hand TW, Morais da Fonseca D, Glass DD, Belkaid Y, Shevach EM. The GARP/Latent TGF-β1 complex on Treg cells modulates the induction of peripherally derived Treg cells during oral tolerance. Eur J Immunol. 2016 Jun 23;46(6):1480–9.

75. Tzavlaki K, Moustakas A. TGF-β Signaling. Biomolecules. 2020 Mar 23;10(3):487.

76. Zhang L, Hu J, Meshkat BI, Liechty KW, Xu J. LncRNA MALAT1 Modulates TGF-β1-Induced EMT in Keratinocyte. Int J Mol Sci. 2021 Oct 30;22(21):11816.

77. Penn JW, Grobbelaar AO, Rolfe KJ. The role of the TGF-β family in wound healing, burns and scarring: a review. Int J Burns Trauma. 2012;2(1):18–28.

78. Malaha N, Sartika D, Pannyiwi R, Zakiah V, Star Billionaires Klub P. Efektifitas Sediaan Biospray Revolutik Terhadap Ekspresi Sitokin Transforming Growth Factor-B (TGF-β) Dalam Proses Penyembuhan Luka. SAINTEKES. 2023;2(2):178–85.

79. Yuniati WM, Lukiswanto BS. Potensi Salep Epigallocatechin gallate terhadap Proses Kesembuhan Luka Bakar Derajat II pada Kulit Tikus Putih. Jurnal Veteriner. 2019 May 24;20(1):1.

80. Wulandari P, Hutagalung M, Perdanakusuma D. Deteksi Kadar Transforming Growth Factor (TGF-β) Pada Luka Akut. Jurnal Rekonstruksi dan Estetik. 2021 Jul 12;6(1):1.

81. Sato S, Mukai Y. Modulation of chronic inflammation by quercetin: The beneficial effects on obesity. Vol. 13, Journal of Inflammation Research. Dove Medical Press Ltd; 2020. p. 421–31.

82. Deepika, Maurya PK. Health Benefits of Quercetin in Age-Related Diseases. Vol. 27, Molecules. MDPI; 2022.

83. Sul OJ, Ra SW. Quercetin prevents lps-induced oxidative stress and inflammation by modulating nox2/ros/nf-kb in lung epithelial cells. Molecules. 2021 Nov 1;26(22).

84. Cui Z, Zhao X, Amevor FK, Du X, Wang Y, Li D, et al. Therapeutic application of quercetin in aging-related diseases: SIRT1 as a potential mechanism. Vol. 13, Frontiers in Immunology. Frontiers Media S.A.; 2022.

85. Gu YY, Zhang M, Cen H, Wu YF, Lu Z, Lu F, et al. Quercetin as a potential treatment for COVID-19-induced acute kidney injury: Based on network pharmacology and molecular docking study. PLoS One. 2021 Jan 1;16(1 January).

86. Qi W, Qi W, Xiong D, Long M. Quercetin: Its Antioxidant Mechanism, Antibacterial Properties and Potential Application in Prevention and Control of Toxipathy. Vol. 27, Molecules. MDPI; 2022.

87. Khan F, Niaz K, Maqbool F, Hassan FI, Abdollahi M, Nagulapalli Venkata KC, et al. Molecular targets underlying the anticancer effects of quercetin: An update. Vol. 8, Nutrients. MDPI; 2016.

88. Li Y, Yao J, Han C, Yang J, Chaudhry M, Wang S, et al. Quercetin, Inflammation and Immunity. Nutrients. 2016 Mar 15;8(3):167.

89. Yuasa M, Ueno M, Kawabeta K, Morikawa M, Uemura M, Matsuzawa T, et al. Taste characteristics, volatile components, sensory properties, and antioxidant activity of fresh onion (Allium cepa L.) leaves. Bull Natl Res Cent. 2022 Nov 26;46(1).

90. Yuasa M, Akao Y, Kawabeta K, Morikawa M, Iwami M, Tominaga M. Antioxidant activities and taste qualities of fresh onions produced in Minamishimabara City, Nagasaki, Japan. Food Sci Technol Res. 2020;26(1):167–75.

91. Dabeek WM, Marra MV. Dietary quercetin and kaempferol: Bioavailability and potential cardiovascular-related bioactivity in humans. Vol. 11, Nutrients. MDPI AG; 2019.

92. Pambudi DB, Slamet S, Mardiana S. Uji Aktivitas Antioksidan Ekstrak Etanol Daun Adas (Foeniculum vulgare Mill.) dengan Metode DPPH. Pharmaceutical Journal of Islamic Pharmacy. 2020 Mar 31;4(1).

93. Kadar Total Fenol terhadap, dan Aktivitas Antioksidannya Hasim F, Falah S, Kusuma Dewi L. Effect of Boiled Cassava Leaves (Manihot esculenta Crantz) on Total Phenolic, Flavonoid and its Antioxidant Activity. Current Biochemistry [Internet]. 2016;3(3):116–27. Available from: http://biokimia.ipb.ac.id

94. Fachriyah E, Haryanto IB, Kusrini D, Sarjono PR, Ngadiwiyana N. Antioxidant Activity of Flavonoids from Cassava Leaves (Manihot esculenta Crantz). Jurnal Kimia Sains dan Aplikasi. 2023 Jan 31;26(1):10–8.

95. Gopalakrishnan A, Ram M, Kumawat S, Tandan SK, Kumar & D. Quercetin accelerated cutaneous wound healing in rats by increasing levels of VEGF and TGF-β1. Vol. 54, Indian Journal of Experimental Biology. 2016.

96. Prakash O, Singh R, Singh N, Verma N, Kar Mahapatra D, Kumar S, et al. Exploring the Potentials of Quercetin and Kaempferol combinations along with Regular Antibiotics for the Effective Management of Methicillin-resistant Staphylococcus aureus (MRSA). 2018;8(3):6–9. Available from: www.stmjournals.com

97. Choudhary A, Kant V, Jangir BL, Joshi VG. Quercetin loaded chitosan tripolyphosphate nanoparticles accelerated cutaneous wound healing in Wistar rats. Eur J Pharmacol. 2020 Aug 5;880.

98. Kant V, Kumar M, Jangir BL, Kumar V. Temporal Effects of Different Vehicles on Wound Healing Potentials of Quercetin: Biochemical, Molecular, and Histopathological Approaches. International Journal of Lower Extremity Wounds. 2022 Dec 1;21(4):588–600.

99. Ahmed OM, Mohamed T, Moustafa H, Hamdy H, Ahmed RR, Aboud E. Quercetin and low level laser therapy promote wound healing process in diabetic rats via structural reorganization and modulatory effects on inflammation and oxidative stress. Biomedicine and Pharmacotherapy. 2018 May 1;101:58–73.

100. Short WD, Rae M, Lu T, Padon B, Prajapati TJ, Faruk F, et al. Endogenous IL-10 Contributes to Wound Healing and Regulates Tissue Repair. BioRxiv [Internet]. 2022;1–25. Available from: https://doi.org/10.1101/2022.03.15.484452

101. Mi Y, Zhong L, Lu S, Hu P, Pan Y, Ma X, et al. Quercetin promotes cutaneous wound healing in mice through Wnt/β-catenin signaling pathway. J Ethnopharmacol. 2022 May 23;290.

102. Beken B, Serttas R, Yazicioglu M, Turkekul K, Erdogan S. Quercetin Improves Inflammation, Oxidative Stress, and Impaired Wound Healing in Atopic Dermatitis Model of Human Keratinocytes. Pediatr Allergy Immunol Pulmonol. 2020 Jun 1;33(2):69–79.

103. Zhang H, Yang L, Han Q, Xu W. Antifibrotic effects of Quercetin on TGF-β1-induced vocal fold fibroblasts. Am J Transl Res. 2022;14(12):8552–61.

104. Geng F, Zhao L, Cai Y, Zhao Y, Jin F, Li Y, et al. Quercetin Alleviates Pulmonary Fibrosis in Silicotic Mice by Inhibiting Macrophage Transition and TGF-β-Smad2/3 Pathway. Curr Issues Mol Biol. 2023 Apr 5;45(4):3087–101.

105. Magdy M, Omar H, Abdel-ghaffar S, Ahmed, Ibrahim. Antifibrotic Effects of Quercetin and Adenosine Deaminase Inhibitor on Thioacetamide-Induced Liver Fibrosis Mediated By P53 and NF-Kβ Gene Expression. Curr Sci Int. 2021;

106. Cetin N, Menevse E, Celik ZE, Ceylan C, Rama ST, Gultekin Y, et al. Evaluation of burn wound healing activity of thermosensitive gel and PLGA nanoparticle formulation of quercetin in Wistar albino rats. J Drug Deliv Sci Technol. 2022 Sep 1;75.

107. Febriyenti F, Fitria N, Mohtar N, Umar S, Noviza D, Rineldi S, et al. Honey gel and film for burn wound [Internet]. Vol. 6, International Journal of Drug Delivery. 2014. Available from: http://www.arjournals.org/index.php/ijdd/index

108. B SuchithraA, Jeganath S, Jeevitha E. Pharmaceutical Gels and Recent Trends-A Review. Res J Pharm Technol. 2019;12(12):6181.

109. Slavkova M, Tzankov B, Popova T, Voycheva C. Gel Formulations for Topical Treatment of Skin Cancer: A Review. Gels. 2023 Apr 22;9(5):352.

110. Toche VR, Deshmukh AS, Rabade AJ. Topical Gels as Drug Delivery System-A comprehensive review. The International journal of analytical and experimental modal analysis. 2021;13(4):664–81.

111. Chellathurai BJ, Anburose R, Alyami MH, Sellappan M, Bayan MF, Chandrasekaran B, et al. Development of a Polyherbal Topical Gel for the Treatment of Acne. Gels. 2023 Feb 17;9(2):163.

112. Annamalai C. Applications of exponential decay and geometric series in effective medicine dosage. Advances in Bioscience and Biotechnology. 2010;01(01):51–4.

113. Nofita R R. Pembuatan Film Balutan Primer yang Mengandung Kolagen Kulit Ikan Gabus (Channa striata) dan Pengaruh Film Terhadap Penyembuhan Luka Bakar [Disertasi]. [Padang]: Universitas Andalas; 2017.

114. Ayuchecaria N, Gunawan YE, Oksal E, Citrariana S. Formulasi dan Uji Efektivitas daun Bajakah Kalalawit (Uncaria gambir Roxb.) Terhadap Proses Penyembuhan Luka Bakar Pada Mencit Putih. Jurnal Insan Farmasi Indonesia. 6(2):251–62.

115. Gouma E, Simos Y, Verginadis I, Batistatou A, Karkabounas S, Evangelou A, et al. Healing effects of quercetin on full thickness epidermal thermal injury in Wistar rats International Journal of Healing effects of Quercetin on full thickness epidermal thermal injury in. Article in International Journal of Phytomedicine. 2016;

116. National Research Council (U.S.). Committee for the Update of the Guide for the Care and Use of Laboratory Animals., Institute for Laboratory Animal Research (U.S.), National Academies Press (U.S.). Guide for the care and use of laboratory animals. National Academies Press; 2011. 220 p.

117. Korkmaz HI, Flokstra G, Waasdorp M, Pijpe A, Papendorp SG, de Jong E, et al. The Complexity of the Post-Burn Immune Response: An Overview of the Associated Local and Systemic Complications. Cells. 2023 Jan 17;12(3):345.

118. Yang D, Wang T, Long M, Li P. Quercetin: Its Main Pharmacological Activity and Potential Application in Clinical Medicine. Oxid Med Cell Longev. 2020 Dec 30;2020:1–13.

119. Anand David A, Arulmoli R, Parasuraman S. Overviews of biological importance of quercetin: A bioactive flavonoid. Pharmacogn Rev. 2016;10(20):84.

120. Chittasupho C, Manthaisong A, Okonogi S, Tadtong S, Samee W. Effects of Quercetin and Curcumin Combination on Antibacterial, Antioxidant, In Vitro Wound Healing and Migration of Human Dermal Fibroblast Cells. Int J Mol Sci. 2021 Dec 23;23(1):142.

121. 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 Mar 3;38(2):105–19.

122. Hasanah AN, Sutejo IR, Suswati E. Efektivitas Ekstrak Etanol Biji Edamame (Glycine max L. Merril) terhadap Jumlah Fibroblas Pada Penyembuhan Luka Bakar Derajat II. Vol. 5, Journal of Agromedicine and Medical Sciences. 2019.

123. Wangsawangrung N, Choipang C, Chaiarwut S, Ekabutr P, Suwantong O, Chuysinuan P, et al. Quercetin/Hydroxypropyl-β-Cyclodextrin Inclusion Complex-Loaded Hydrogels for Accelerated Wound Healing. Gels. 2022 Sep 1;8(9).

124. Wilkinson HN, Hardman MJ. Wound healing: cellular mechanisms and pathological outcomes. Open Biol. 2020 Sep 30;10(9).

125. Julio Arif, Ali Napiah Nasution, Sri Wahyuni Nasution, Widowati W, Nindia Salsabila Mia Dewi, Kusuma HSW. Antioxidant Activities and Potential Wound Healing Effects of Meniran (Phyllanthus niruri) Extract Gel. Folia Medica Indonesiana. 2024 Mar 10;60(1):69–77.

126. Fadilah NIM, Phang SJ, Kamaruzaman N, Salleh A, Zawani M, Sanyal A, et al. Antioxidant Biomaterials in Cutaneous Wound Healing and Tissue Regeneration: A Critical Review. Antioxidants. 2023 Mar 23;12(4):787.

127. McKay TB, Lyon D, Sarker-Nag A, Priyadarsini S, Asara JM, Karamichos D. Quercetin Attenuates Lactate Production and Extracellular Matrix Secretion in Keratoconus. Sci Rep. 2015 Mar 11;5(1):9003.

128. Houschyar KS, Momeni A, Pyles MN, Maan ZN, Whittam AJ, Siemers F. Wnt signaling induces epithelial differentiation during cutaneous wound healing. Organogenesis. 2015 Jul 3;11(3):95–104.

129. Jere SW, Houreld NN. Regulatory Processes of the Canonical Wnt/β-Catenin Pathway and Photobiomodulation in Diabetic Wound Repair. Int J Mol Sci. 2022 Apr 11;23(8):4210.

130. Liu T, Zhang L, Joo D, Sun SC. NF-κB signaling in inflammation. Vol. 2, Signal Transduction and Targeted Therapy. Springer Nature; 2017.

131. Hoesel B, Schmid JA. The complexity of NF-κB signaling in inflammation and cancer. Mol Cancer. 2013;12(1):86.

132. Lee S, Kim MS, Jung SJ, Kim D, Park HJ, Cho D. ERK activating peptide, AES16-2M promotes wound healing through accelerating migration of keratinocytes. Sci Rep. 2018 Sep 26;8(1):14398.

133. Cargnello M, Roux PP. Activation and Function of the MAPKs and Their Substrates, the MAPK-Activated Protein Kinases. Microbiology and Molecular Biology Reviews. 2011 Mar;75(1):50–83.

134. Ma B, Hottiger MO. Crosstalk between Wnt/β-Catenin and NF-κB Signaling Pathway during Inflammation. Front Immunol. 2016 Sep 22;7.

135. Zulkefli N, Che Zahari CNM, Sayuti NH, Kamarudin AA, Saad N, Hamezah HS, et al. Flavonoids as Potential Wound-Healing Molecules: Emphasis on Pathways Perspective. Vol. 24, International Journal of Molecular Sciences. Multidisciplinary Digital Publishing Institute (MDPI); 2023.

136. Huang H, Chen Y, Hu J, Guo X, Zhou S, Yang Q, 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 Feb 11;21(2).

137. Areström I, Zuber B, Bengtsson T, Ahlborg N. Measurement of human latent transforming growth factor-β1 using a latency associated protein-reactive ELISA. J Immunol Methods. 2012 May;379(1–2):23–9.

138. Bansal S, Pereira T, Desai RS, Jena A, Bobade PP, Patil M. Interplay of Transforming Growth Factor-Beta 1 and 3 in the Pathogenesis of Oral Submucous Fibrosis and Its Malignant Transformation: An Immunohistochemical Study. Cureus. 2023 Jul 24;

139. Voisin A, Damon-Soubeyrand C, Bravard S, Saez F, Drevet JR, Guiton R. Differential expression and localisation of TGF-β isoforms and receptors in the murine epididymis. Sci Rep. 2020 Dec 1;10(1).

140. Ivanova K, Manolova I, Ignatova MM, Gulubova M. Immunohistochemical expression of TGF-B1, SMAD4, SMAD7, TGFβRII and CD68-positive TAM densities in papillary thyroid cancer. Open Access Maced J Med Sci. 2018 Mar 15;6(3):435–41.

141. Finnson KW, McLean S, Di Guglielmo GM, Philip A. Dynamics of Transforming Growth Factor Beta Signaling in Wound Healing and Scarring. Adv Wound Care (New Rochelle). 2013 Jun;2(5):195–214.

142. Wibowo S, Lestari ES, Arifin MT, Prajoko YW, Susilaningsih N. Clove flower extracts (Syzgium aromaticum) increased incision wound epithelization, platelet count, and TGF-β levels in methicillin-resistant Staphylococcus aureus-infected rats. Jurnal Kedokteran dan Kesehatan Indonesia. 2023 Dec 30;248–55.

143. Cetin N, Menevse E, Celik ZE, Ceylan C, Rama ST, Gultekin Y, et al. Evaluation of burn wound healing activity of thermosensitive gel and PLGA nanoparticle formulation of quercetin in Wistar albino rats. J Drug Deliv Sci Technol. 2022 Sep 1;75.

144. Seo CH, Cui HS, Kim JB. Calpastatin-Mediated Inhibition of Calpain Ameliorates Skin Scar Formation after Burn Injury. Int J Mol Sci. 2021 May 28;22(11):5771.

145. Gilljam KM, Stenlund P, Standoft S, Andersen SB, Kaaber K, Lund H, et al. Alginate and Nanocellulose Dressings With Extract From Salmon Roe Reduce Inflammation and Accelerate Healing of Porcine Burn Wounds. Journal of Burn Care & Research. 2023 Sep 7;44(5):1140–9.

146. Penn JW, Grobbelaar AO, Rolfe KJ. The role of the TGF-β family in wound healing, burns and scarring: a review. Int J Burns Trauma. 2012;2(1):18–28.

147. Yoon JS, Chae MK, Jang SY, Lee SY, Lee EJ. Antifibrotic Effects of Quercetin in Primary Orbital Fibroblasts and Orbital Fat Tissue Cultures of Graves' Orbitopathy. Investigative Opthalmology & Visual Science. 2012 Aug 31;53(9):5921.

148. Boots AW, Veith C, Albrecht C, Bartholome R, Drittij MJ, Claessen SMH, et al. The dietary antioxidant quercetin reduces hallmarks of bleomycin-induced lung fibrogenesis in mice. BMC Pulm Med. 2020 Dec 29;20(1):112.

149. Wu L, Zhang Q, Mo W, Feng J, Li S, Li J, et al. Quercetin prevents hepatic fibrosis by inhibiting hepatic stellate cell activation and reducing autophagy via the TGF-β1/Smads and PI3K/Akt pathways. Sci Rep. 2017 Aug 24;7(1):9289.

150. McKay TB, Kivanany PB, Nicholas SE, Nag OK, Elliott MH, Petroll WM, et al. Quercetin Decreases Corneal Haze In Vivo and Influences Gene Expression of TGF- Beta Mediators In Vitro. Metabolites. 2022 Jul 7;12(7):626.

151. Chipp E, Charles L, Thomas C, Whiting K, Moiemen N, Wilson Y. A prospective study of time to healing and hypertrophic scarring in paediatric burns: every day counts. Burns Trauma. 2017 Dec 1;5.

152. Wadhwa K, Kadian V, Puri V, Bhardwaj BY, Sharma A, Pahwa R, et al. New insights into quercetin nanoformulations for topical delivery. Vol. 2, Phytomedicine Plus. Elsevier B.V.; 2022.

153. Liu C, Cheng X, Wu Y, Xu W, Xia H, Jia R, et al. Antioxidant Activity of Quercetin- Containing Liposomes-in-Gel and Its Effect on Prevention and Treatment of Cutaneous Eczema. Pharmaceuticals. 2023 Aug 21;16(8):1184.