

DAFTAR PUSTAKA

- Abbas, A. Y., Muhammad, I., AbdulRahman, M. B., Bilbis, L. S., Saidu, Y., Onu, A. (2017). Possible Antidiabetic Mechanism of Action of Ex-maradi Okra Fruit Variety (*Abelmoscus esculentus*) on Alloxan Induced Diabetic Rats. *Nigerian Journal of Basic and Applied Science*; 25(2): p. 111 DOI: <http://dx.doi.org/10.4314/njbas.v25i2.11>
- Abiko, Y and Selimovic, D. (2010). The Mechanism of Protracted Wound Healing on Oral Mucosa in Diabetes. Review. *Bosnian Journal Of Basic Medical Sciences*; 10(3): p. 187 DOI: 10.17305/bjbms.2010.2683
- Adil, M., Khan, R. A., Kalam, A., Venkata, S. K., Kandhare, A. D., Ghosh, P., and Sharma, M. (2017). *Effect of anti-diabetic drugs on bone metabolism: Evidence from preclinical and clinical studies.* DOI: <http://dx.doi.org/doi:10.1016/j.pharep.2017.05.008>
- American Diabetes Association. (2015). *Classification and Diagnosis of Diabetes.* *Diabetes Care*; 38(Suppl. 1): p. S8-S16. DOI: <https://doi.org/10.2337/dc15-S005>
- Anderson, K and Hamm, R. L. (2014). Factors That Impair Wound Healing. *Journal of the American College of Clinical Wound Specialists*;4:p. 84–91. DOI: <http://dx.doi.org/10.1016/j.jccw.2014.03.001>
- Anjani, P.P., Damayanthi, E., Rimbawan, and Handharyani, E. (2018). Antidiabetic potential of purple okra (*Abelmoschus esculentus* L.) extract in streptozotocin-induced diabetic rats. *Earth and Environmental Science*;196:p. 3. DOI: 10.1088/1755-1315/196/1/012038
- Athira, C and Jayaraman, J. 2018. A Review On: A Pharmacological Properties Of *Abelmoschus Esculentus*. *World Journal of Pharmaceutical Research* ;7(12): p. 165, 167. DOI: 10.20959/wjpr201812-12211
- Azmi, Faidha N., Mulawarmanti D., dan Prameswari N. (2015). Efektifitas Perbandingan Kombinasi Clindamycin dan Ekstrak Nannochloropsis Oculata Terhadap Peningkatan Kepadatan Kolagen pada Osteomielitis Mandibula. *Dental Jurnal Kedokteran Gigi*; Vol.9(1): 63-73.
- Baltzis, D., Eleftheriadou, I., & Veves, A. (2014). Pathogenesis and Treatment of Impaired Wound Healing in Diabetes Mellitus: New Insights. *Advances in Therapy*, 31(8):p. 818–820. DOI: 10.1007/s12325-014-0140-x

- Beeton, C., Garcia, A., & Chandy, K. G. (2007). Drawing Blood from Rats through the Saphenous Vein and by Cardiac Puncture. *Journal of Visualized Experiments*;7(e266):p.1. DOI: 10.3791/266
- Benadiba, M., Serruya, R., & Maor, Y. (2018). Bioaccessibility of Shore Magic[®] collagen, a low-molecular-weight collagen supplement, in different in vitro barrier models. *Heliyon*, 4(9), e0082:p. 7. doi:10.1016/j.heliyon.2018.e00821
- Bhatia, N., Kaur, G., Soni, V., Kataria, J and Dhawan, R. K. (2016). Evaluation of the wound healing potential of isoquercetin-based cream on scald burn injury in rats. *Burns & Trauma*:4(7):p. 7. DOI: DOI: 10.1186/s41038-016-0032-1
- Bhowmik, D., Kumar, K. P. S., Tripathi, P. (2009). *Traditional Herbal Medicines: An Overview*. Arc. Apl. Sci. Res; 1(2):p. 167
- Boonnate, P., Waraasawapati, S., Hipkaeo, W., Pethlert, S., Sharma, A., Selmi, C., Prasongwattana, V., Cha'on, U. (2015). Monosodium Glutamate Dietary Consumption Decreases Pancreatic β -Cell Mass in Adult Wistar Rats. *PLOS ONE*, 10(6), e0131595:p. 2. DOI: 10.1371/journal.pone.0131595.
- Boudreau, L. H., Lassalle-Claux, G., Cormier, M., Blanchard, S., Doucet, M. S., Surette, M. E., & Touaibia, M. (2017). New Hydroxycinnamic Acid Esters as Novel 5-Lipoxygenase Inhibitors That Affect Leukotriene Biosynthesis. *Mediators of Inflammation*, p. 1. DOI: <https://doi.org/10.1155/2017/6904634>
- Brand, H. S., Ligtenberg, A. J. M., & Veerman, E. C. I. (2014). Saliva and Wound Healing. Saliva: Secretion and Functions. *Monographs in oral science*;p. 53. DOI: <https://doi.org/10.1159/000358784>
- Chakraverty, R., De, A., Santra, R., Biswas, A., and Tripathi, S.K. (2018). Evaluation of the Safety and Efficacy of a Polyherbal Ayurvedic Formulation (PHAF) in Streptozotocin Induced Diabetes in Wistar Rats. *Austin Journal of Endocrinology and Diabetes*;5(1):p. 2
- Chanchal, D.K., Alok, S., Kumar, M., Bijauliya, R. K., Rashi, S., Gupta, S. (2018). A Brief Review On Abelmoschus Esculentus Linn. Okra. *International Journal of Pharmaceutical Sciences and Research*; 9(2):p. 58-59. DOI: 10.13040/IJPSR.0975-8232.9(1).58-66

- Chawla, A., Chawla, R., & Jaggi, S. (2016). Microvascular and macrovascular complications in diabetes mellitus: Distinct or continuum?. *Indian journal of endocrinology and metabolism*, 20(4): p. 546-51. DOI: 10.4103/2230-8210.183480.
- Demidova-Rice, T. N., Durham, J. T., & Herman, I. M. (2012). Wound Healing Angiogenesis: Innovations and Challenges in Acute and Chronic Wound Healing. *Advances in Wound Care*, 1(1):p. 17. DOI: 10.1089/wound.2011.0308
- Diabetes atlas. 7th ed. *Brussels: International Diabetes Federation*, 2015 (<http://www.diabetesatlas.org>)
- D'Mello, P., Gadhwal, M.K., Joshi, U., and Shetgiri, P. (2011). Modeling of COX-2 Inhibitory Activity of Flavonoids. *International Journal of Pharmacy and Pharmaceutical Sciences*;3(4):p. 33
- Devi, K. P., Kiruthiga, P. V., Pandian, S. K. (2009). Emerging Role of Flavonoids in Inhibition of NF- κ B-Signaling Pathway : A Review. *International of Journal Biomedical and Pharmaceutical Sciences*, p. 31
- Ding, H., Wu, X., Pan, J., Hu, X., Gong, D., & Zhang, G. (2018). New Insights into the Inhibition Mechanism of Betulinic Acid on α -Glucosidase. *Journal of Agricultural and Food Chemistry*, 66(27), 7065. doi:10.1021/acs.jafc.8b02992
- Du, Y., Ren, P., Wang, Q., Jiang, S.-K., Zhang, M., Li, J.-Y., ... Guan, D.-W. (2018). Cannabinoid 2 receptor attenuates inflammation during skin wound healing by inhibiting M1 macrophages rather than activating M2 macrophages. *Journal of Inflammation*, 15(1). doi:10.1186/s12950-018-0201-z
- Dunnill, C., Patton, T., Brennan, J., Barrett, J., Dryden, M., Cooke, J., Leaper, D., Georgopoulos, N. T. (2015). Reactive oxygen species (ROS) and wound healing: the functional role of ROS and emerging ROS-modulating technologies for augmentation of the healing process. *International Wound Journal*;p. 2. DOI: <https://doi.org/10.1111/iwj.12557>.
- Durga, M., Nathiya, S., Devasena, T. (2014). Immunomodulatory and Antioxidant Actions of Dietary Flavonoids. *International Journal of Pharmacy and Pharmaceutical Sciences*;6(2):p. 50, 53

- Duque, G. A., and Descoteaux, A. (2014). Macrophage cytokines: involvement in immunity and infectious diseases. *Frontiers in immunology*;5(491):p. 2-8. DOI: 10.3389/fimmu.2014.00491
- Edwards JP, Thornton AM, Shevach EM. (2014). Release of active TGF-beta1 from the latent TGF-beta1/GARP complex on T regulatory cells is mediated by integrin beta8. *J Immunol*;193(6):2843–9
- El Hady, Karam, El Sawa, Saad. (2015). Expression of Vascular Endothelial Growth Factor During Healing of Extraction Sockets in Diabetic Rats. *Alexandria Dental Journal*; Vol.XX:p. 121. DOI: 10.14202/vetworld.2018.304-309
- Erfani Majd, N., Tabandeh, M. R., Shahriari, A., & Soleimani, Z. (2018). Okra (*Abelmoscus esculentus*) Improved Islets Structure, and Down-Regulated PPARs Gene Expression in Pancreas of High-Fat Diet and Streptozotocin-Induced Diabetic Rats. *Cell journal*, 20(1), 38. doi:10.22074/cellj.2018.4819
- Fakhrudin, S., Alanazi, W., & Jackson, K. E. (2017). Diabetes-Induced Reactive Oxygen Species: Mechanism of Their Generation and Role in Renal Injury. *Journal of Diabetes Research*, 2017, p. 5. doi:10.1155/2017/8379327
- Foster, D.S., Jones, R.E., Ransom, R.C., Longaker, M. T., and Norton, J.A. (2018). The evolving relationship of wound healing and tumor stroma. *JCI Insight*;3(18):p. 3, 8. DOI: 10.1172/jci.insight.99911
- Goldenberg, R., & Punthakee, Z. (2013). Definition, Classification and Diagnosis of Diabetes, Prediabetes and Metabolic Syndrome. *Canadian Journal of Diabetes*;37: p. S9. DOI: 10.1016/j.jcjd.2017.10.003
- González, M., Rojas, S., Avila, P., Cabrera, L., Villalobos, R., Palma, C., Aguayo, C., Peña², E., Gallardo, V., GuzmánGutiérrez, E., Sáez, T., Salsoso, R., Sanhueza, C., Pardo, F., Leiva, A., Sobrevia, L. (2015). Insulin Reverses D-Glucose–Increased Nitric Oxide and Reactive Oxygen Species Generation in Human Umbilical Vein Endothelial Cells. *PLOS ONE*, 10(4), e0122398. doi:10.1371/journal.pone.0122398
- Goud, B. J., Dwarakanath., Chikka-swamy, B.K. (2015). Streptozotocin - A Diabetogenic Agent in Animal Models. *International Journal of Pharmacy and Pharmaceutical Research*;3(1):p. 253.
- Gopalakrishnan, A., Ram, M., Kumawat, S., Tandan, S. K., Kumar, D. (2016). Quercetin Accelerated Cutaneous Wound Healing in Rats by Increasing levels of VEGF and TGF-β1. *Indian Journal of Experimental Biology*; 54: 192-193.

- Gunawan, F., Sularsih, dan Soemartono. (2015). Perbedaan Kitosan Berat Molekul Rendah dan Tinggi Terhadap Jumlah Sel Limfosit pada Proses Penyembuhan Luka Pencabutan Gigi. *Dental Jurnal Kedokteran Gigi*; Vol. 9(1): 114-122.
- Guo, S and DiPietro, L. A. (2010). Factors Affecting Wound Healing. *Journal of Dental Research*; 89(3):p. 220, 227. DOI: 10.1177/0022034509359125
- Gupta, B. (2017). Assessment of post operative wound healing in diabetic patients after extraction. *International Journal of Advances in Scientific Research*; 3(07):p. 80. DOI: 10.7439/ijasr.v3i7.4210
- Haubner, F., Ohmann, E., Pohl, F., Strutz, J., Gassner, H. G. (2012). Wound healing after radiation therapy: Review of the literature. *Radiation Oncology*; 7(162):p.1-3. DOI: 10.1186/1748-717X-7-162.
- Honnegowda, T. M., Kumar, P., Udupa, E.G., Kumar, S., Kumar, U., Rao, P. (2015). Role of angiogenesis and angiogenic factors in acute and chronic wound healing. *Plast Aesthet Res*; 2:p. 245-246. DOI: 10.4103/2347-9264.165438
- Hong, W. X., Hu, M. S., Esquivel, M., Liang, G. Y., Rennert, R. C., McArdle, A., Longaker, M. T. (2014). The Role of Hypoxia-Inducible Factor in Wound Healing. *Advances in Wound Care*, 3(5):p. 391, 392. DOI: 10.1089/wound.2013.0520
- Hozzein, W. N., Badr, G., Al Ghamdi, A. A., Sayed, A., Al-Waili, N. S., & Garraud, O. (2015). Topical Application of Propolis Enhances Cutaneous Wound Healing by Promoting TGF-Beta/Smad-Mediated Collagen Production in a Streptozotocin-Induced Type I Diabetic Mouse Model. *Cellular Physiology and Biochemistry*, 37(3), 940–954. doi:10.1159/000430221
- Huang, S., Andg, H., Huynh, W., Sambrook, P., & Goss, A. (2013). The healing of dental extraction sockets in patients with Type 2 diabetes on oral hypoglycaemics: a prospective cohort. *Australian Dental Journal*; 58(1) : p.89. DOI: 10.1111/adj.12029
- Irrera, N., and Bitto, A. (2017). Evidence for using a dual COX 1/2 and 5-LOX inhibitor in neurodegenerative diseases. *Neural regeneration research*; 12(7):p. 1077. DOI: 10.4103/1673-5374.211185
- Jabeen, S., M. T. Shah, S. Khan, and M. Q. Hayat. (2010). Determination of major and trace elements in ten important folk therapeutic plants of Haripur basin, Pakistan. *J. Med. Plants Res.* 4(7):p. 559–566. Online: <http://www.academicjournals.org/JMPR> [Accessed: January 6th, 2019).

- Jin, H., Wang, Y., Wang., and Zhang, L. (2018). Effects of Qingshen Granules on the Oxidative Stress-NF/kB Signal Pathway in Unilateral Ureteral Obstruction Rats. *Evidence-Based Complementary and Alternative Medicine*;p. 1. DOI: 10.1155/2018/4761925
- Kalra, S., Bhutani, J. (2014). What are Alpha Glucosidase Inhibitors. Available from :
https://www.researchgate.net/profile/Jaikrit_Bhutani4/publication/275346949_Alpha-glucosidase_Inhibitors/links/5630d26b08ae2df441bb804f/Alpha-glucosidase-Inhibitors [Diakses pada : 14 Maret 2019]
- Kelm, N. E., Zhu, Z., Ding, V. A., Xiao, H., Wakefield, M. R., Bai, Q., & Fang, Y. (2016). The role of IL-29 in immunity and cancer. *Critical Reviews in OncologyHematology*;106;p. 93. DOI: 10.1016/j.critrevonc.2016.08.002
- Khaheshi I, Keshavarz S, Imani Fooladi AA, Ebrahimi M, Yazandi S, Panahi Y, et al. (2011). Loss of expression of TGF- β s and their receptors in chronic skin lesions induced by sulfur mustard as compared with chronic contact dermatitis patients. *BMC Dermatol*;11:2
- Kidane, Y., Bokrezion, T., Mebrahtu, J., Mehari, M., Gebreab, Y. B., Fessehaye, N., and Achila, O.O. (2018). In Vitro Inhibition of α -Amylase and α -Glucosidase by Extracts from *Psiadia punctulata* and *Meriandra bengalensis*. *Evidence-Based Complementary and Alternative Medicine*;p. 7. DOI: 10.1155/2018/2164345
- Kido, D., Mizutani, K., Takeda, K., Mikami, R., Matsuura, T., Iwasaki, K., Izumi Y. (2017). Impact of diabetes on gingival wound healing via oxidative stress. *Plos One*;12(12):p. 18. DOI: 10.1371/journal.pone.0189601
- Klueh, U., Frailey, J. T., Qiao, Y., Antar, O., & Kreutzer, D. L. (2014). Cell based metabolic barriers to glucose diffusion: Macrophages and continuous glucose monitoring. *Biomaterials*, 35(10):p. 3152. DOI: 10.1016/j.biomaterials.2014.01.001
- Koh, T. J., & DiPietro, L. A. (2011). Inflammation and wound healing: the role of the macrophage. *Expert Reviews in Molecular Medicine*, 13(23):p. 2. DOI: 10.1017/S1462399411001943.
- Kordestani, S. S. (2019). Wound Healing Process. *Atlas of Wound Healing*, 13. doi:10.1016/b978-0-323-67968-8.00003-3
- Krzyszczczyk, P., Schloss, R., Palmer, A., & Berthiaume, F. (2018). The Role of Macrophages in Acute and Chronic Wound Healing and Interventions to

- Promote Pro-wound Healing Phenotypes. *Frontiers in Physiology*;9(419):p. 6, 10. DOI: 10.3389/fphys.2018.00419
- Kubiczkova, L., Sedlarikova, L., Hajek, R., & Sevcikova, S. (2012). TGF- β – an excellent servant but a bad master. *Journal of Translational Medicine*; 10(183): p. 7. DOI: 10.1186/1479-5876-10-183.
- Kumar, J. A., Tiwari, A. K., Ali, A. Z., Madhusudhana, K., Reddy, B. S., Ramakrishna, S., & China Raju, B. (2009). New antihyperglycemic, α -glucosidase inhibitory, and cytotoxic derivatives of benzimidazoles. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 25(1), 80–86. doi:10.3109/14756360903017122
- Laiva, A. L., O'Brien, F. J., & Keogh, M. B. (2017). Innovations in gene and growth factor delivery systems for diabetic wound healing. *Journal of Tissue Engineering and Regenerative Medicine*, 12(1), e298. doi:10.1002/term.2443
- Larjava, H. (2012). *Oral Wound Healing: Cell Biology and Clinical Management*. West Sussex: John Wiley & Sons, Inc.
- Lee, P.-Y., Chesnoy, S., & Huang, L. (2004). Electroporatic Delivery of TGF- β 1 Gene Works Synergistically with Electric Therapy to Enhance Diabetic Wound Healing in db/db Mice. *Journal of Investigative Dermatology*, 123(4), p. 791. DOI: 10.1111/j.0022-202X.2004.23309.x
- Li, W., Kandhare, A. D., Mukherjee, A. A., Bodhankar, S. L. (2018). Hesperidin, A Plant Flavonoid Accelerated the Cutaneous Wound Healing In Streptozotocin-Induced Diabetic Rats: Role Of Tgf-B/Smads And Ang-1/Tie-2 Signaling Pathways. *EXCLI Journal*;17:p. 400. DOI: 10.17179/excli2018-1036
- Li, Y., Yao, J., Han, C., Yang, J., Chaudhry, M., Wang, S., Yin, Y. (2016). Quercetin, Inflammation and Immunity. *Nutrients*, 8(167):p. 5. DOI: 10.3390/nu8030167
- Lin, Y.-W., Lee, B., Liu, P.-S., & Wei, L.-N. (2015). Receptor-Interacting Protein 140 Orchestrates the Dynamics of Macrophage M1/M2 Polarization. *Journal of Innate Immunity*, 8(1), 97–107. doi:10.1159/000433539
- Litalien, C., & Beaulieu, P. (2011). Molecular Mechanisms of Drug Actions. *Pediatric Critical Care*, 1564. doi:10.1016/b978-0-323-07307-3.10117-x
- Liu, Y.-C., Zou, X.-B., Chai, Y.-F., & Yao, Y.-M. (2014). Macrophage Polarization in Inflammatory Diseases. *International Journal of Biological Sciences*, 10(5), 522, 524. doi:10.7150/ijbs.8879

- Liu, S., Huang, J., Li, M., Zhang, C., Zhu, J., Zhao, Y., Guo, X., Ye, J. (2017). Study on the flavonoids and pectin contents in different okra (*Abelmoschus esculentus* L.) accessions. *Journal of Agricultural science and Botany*;1(1):p. 12-13 DOI: 10.35841/2591-7897.1.1.12-16
- Liu, T., Zhang, L., Joo, D., & Sun, S. C. (2017). NF- κ B signaling in inflammation. *Signal transduction and targeted therapy*; 2(17023):p. 1. DOI: 10.1038/sigtrans.2017.23.
- Liu, Y., Li, Y., Li, N., Teng, W., Wang, M., Zhang, Y., Xiao, Z. (2016). TGF- β 1 promotes scar fibroblasts proliferation and transdifferentiation via upregulating MicroRNA-21. *Scientific Reports*;p. 2. DOI: 10.1038/srep32231.
- López-Delis, A., de S. Rodrigues Fleury Rosa, S., de Souza, P. E. N., Carneiro, M. L. B., Rosa, M. F. F., Macedo, Y. C. L., da Rocha, A. F. (2018). Characterization of the Cicatrization Process in Diabetic Foot Ulcers Based on the Production of Reactive Oxygen Species. *Journal of Diabetes Research*;p. 6-7. DOI: <https://doi.org/10.1155/2018/4641364>.
- Mairuae, N., Cheepsunthorn, P., Cheepsunthorn, C. L., and Tongjaroenbuangam, W. (2017). Okra (*Abelmoschus esculentus* Linn) inhibits lipopolysaccharide-induced inflammatory mediators in BV2 microglial cells. *Tropical Journal of Pharmaceutical Research*; 16 (6):p.1291. DOI: <http://dx.doi.org/10.4314/tjpr.v16i6.11>.
- Matarese, G., Isola, G., Anastasi, G. P., Favalaro, A., Milardi, D., Vermiglio, G., Cutroneo, G. (2012). Immunohistochemical analysis of TGF- β 1 and VEGF in gingival and periodontal tissues: A role of these biomarkers in the pathogenesis of scleroderma and periodontal disease. *International Journal of Molecular Medicine*, 30(3), p. 502
- Maroni D , Davis JS. (2012). T ransforming growth factor Beta 1 stimulates pro brotic activities of luteal broblasts in cows. *Biol Reprod*;87:127.
- Martinelli-Klây, C. P., Lunardi, L. O., Martinelli, C. R., Lombardi, T., Soares, E. G., & Martinelli, C. (2014). Modulation of MCP-1, TGF- β 1, and α -SMA Expressions in Granulation Tissue of Cutaneous Wounds Treated with Local Vitamin B Complex: An Experimental Study. *Dermatopathology* (Basel, Switzerland), 1(2): p. 105
- Metelli A, Wu BX, Fugle CW, Rachidi S, Sun S, Zhang Y, Wu J, Tomlinson S, Howe PH, Yang Y, Garrett-Mayer E, Liu B, Li Z. (2016). Surface expression

of TGFbeta docking receptor GARP promotes oncogenesis and immune tolerance in breast cancer. *Cancer Res*;76(24):7106–17.

- Miyajima, K., Teoh, S., Yamashiro, H., Shinohara, M., Fatchiyah, F., Ohta, T., & Yamada, T. (2018). Effects on Glycemic Control in Impaired Wound Healing in Spontaneously Diabetic Torii (SDT) Fatty Rats. *Medical Archives*, 72(1):p. 4, 7
- Mlitani, A. M., M. S. Sasi, and A. M. Alkheraz. (2014). Proximate and minor mineral content in some selected basil leaves of *Ocimum gratissimum* L, in Libya. *Int. J. Chem. Eng. Appl.* 5:8–17
- Mpondo, B. C. T., Ernest, A., & Dee, H. E. (2015). Gestational diabetes mellitus: challenges in diagnosis and management. *Journal of Diabetes & Metabolic Disorders*, 14(1):p. 5
- Muppala, S., Xiao, R., Krukovets, I., Verbovetsky, D., Yendamuri, R., Habib, N., Raman, P., Plow, E and Stenina-Adognravi, O. (2017). Thrombospondin-4 mediates TGF- β -induced angiogenesis. *Oncogen*; p. 8
- Ndisang, J. F., Vannacci, A., & Rastogi, S. (2017). Insulin Resistance, Type 1 and Type 2 Diabetes, and Related Complications. *Journal of Diabetes Research*:p. 1
- Oh, B., & Lee, C. H. (2018). Functionalized cardiovascular stents: Cardiovascular stents incorporated with stem cells. *Functionalised Cardiovascular Stents*, 252. doi:10.1016/b978-0-08-100496-8.00014-7
- Okonkwo, U. A and DiPietro, L. A. (2017). Diabetes and Wound Angiogenesis. *International Journal of Molecular Sciences*;18:p. 5
- Pakyari, M., Farrokhi, A., Maharlooei, M. K., & Ghahary, A. (2013). Critical Role of Transforming Growth Factor Beta in Different Phases of Wound Healing. *Advances in wound care*; 2(5): p. 216
- Pan, Y., Wang, Y., Cai, L., Cai, Y., Hu, J., Yu, C., Li, J., Feng, Z., Yang, S., Li, X., Liang, G. (2012). Inhibition of high glucose-induced inflammatory response and macrophage infiltration by a novel curcumin derivative prevents renal injury in diabetic rats. *British journal of pharmacology*; 166(3):p. 1170
- Panche, A. N., Diwan, A. D., & Chandra, S. R. (2016). Flavonoids: an overview. *Journal of nutritional science*;5(47):p. 8
- Pang, Y., Zhang, Y., Huang, L., Xu, L., Wang, K., Wang, D., Guan, L., Zhang, Y., Yu, F., Chen, Z., and Xie, X. (2017). Effects and Mechanisms of Total

- Flavonoids from *Blumea balsamifera* (L.) DC. on Skin Wound in Rats. *International Journal of Molecular Sciences*;18 : p. 9.
- Park, J., Hwang, S., & Yoon, I.-S. (2017). Advanced Growth Factor Delivery Systems in Wound Management and Skin Regeneration. *Molecules*, 22(1259):p. 2
- Patel, S., Srivastava, S., Singh, M. R., & Singh, D. (2019). Mechanistic insight into diabetic wounds: Pathogenesis, molecular targets and treatment strategies to pace wound healing. *Biomedicine & Pharmacotherapy*, 111, 108615. DOI:10.1016/j.biopha.2019.108615
- Peshavariya, H. M., Chan, E. C., Liu, G. S., Jiang, F., & Dusting, G. J. (2014). Transforming growth factor- β 1 requires NADPH oxidase 4 for angiogenesis in vitro and in vivo. *Journal of Cellular and Molecular Medicine*, 18(6), p. 1-2
- Politis, C., Schoenaers, J., Jacobs, R., & Agbaje, J. O. (2016). Wound Healing Problems in the Mouth. *Frontiers in Physiology*, 7(507):p. 6, 7
- Putra, R.H., Astuti, E.R, Devijanti, R. (2016). *Transforming growth factor beta 1 expression and inflammatory cells in tooth extraction socket after X-ray irradiation*. Dental Journal: Majalah Kedokteran Gigi;49(2):p. 88
- Qinna, N., & Badwan, A. 2015. Impact of streptozotocin on altering normal glucose homeostasis during insulin testing in diabetic rats compared to normoglycemic rats. *Drug Design, Development and Therapy*:p. 2516
- Qing, C. (2017). The molecular biology in wound healing & non-healing wound. *Chinese Journal of Traumatology*;20:p. 189
- Raghav, A and Ahmad, J. (2018). Crucial Role of Diabetes Mellitus in Delayed Angiogenesis of Wound. *J of Pharmacol & Clin Res*; 5(3):p. 1, 4
- Ramirez, H., Patel, S. B., & Pastar, I. (2014). The Role of TGF β Signaling in Wound Epithelialization. *Advances in wound care*, 3(7), p. 482-486
- Reinke, J. M and Sorg, H. (2012). Wound Repair and Regeneration. *European Surgical Research*;49:p. 37-39
- Reni Yusli, E., M. Bachtia, B., Fatma Suni, D., B. Sutjiat, A. and Mozef, T. (2016). Effect of Rambutan-honey and its Flavonoid on TGF- β 1 Induce Fibroplasia Oral Wound Healing. *Research Journal of Medicinal Plants*, 10(8), p.441. DOI: 10.3923/rjmp.2016.435.442

- Rodriguez-Merchan, E. C. (2012). Surgical wound healing in bleeding disorders. *Haemophilia*, 18(4):p. 487–490.
- Roy, S., Biswas, S., Khanna, S., Gordillo, G., Bergdall, V., Green, J., Marsh, C. B., Gould, L. J., Sen, C. K. (2009). Characterization of a preclinical model of chronic ischemic wound. *Physiological genomics*, 37(3): p. 211-224.
- Sanchez, M. C., Lancel, S., Boulanger, E., Neviere, R. (2018). Targeting Oxidative Stress and Mitochondrial Dysfunction in the Treatment of Impaired Wound Healing: A Systematic Review. *Antioxidants*;p5-6.
- Sankari, S. L., Babu, N. A., Rani, V., Priyadharsini, C., & Masthan, K. M. (2014). Flavonoids - Clinical effects and applications in dentistry: A review. *Journal of pharmacy & bioallied sciences*, 6(Suppl 1):p. S27.
- Schreml, S., Szeimies, R. M., Prantl, L., Karrer, S., Landthaler, M., & Babilas, P. (2010). Oxygen in acute and chronic wound healing. *British Journal of Dermatology*, 163(2):p. 257–268.
- Shah, B., Seth, A. (2010). Anti Inflammatory Activity Of Fruits Of *Abelmoschus esculentus*. *J Pharmacologyonline*; 1: 208-12.
- Shaterian, A., Borboa, A., Sawada, R., Costantini, T., Potenza, B., Coimbra, R., Baird, A., Eliceiri, B. P. (2009). Real-time analysis of the kinetics of angiogenesis and vascular permeability in an animal model of wound healing. *Burns*, 35(6), 811–817. doi:10.1016/j.burns.2008.12.012
- Shen, W., Li, Y., Zhu, J., Schwendener, R., & Huard, J. (2007). Interaction between macrophages, TGF- β 1, and the COX-2 pathway during the inflammatory phase of skeletal muscle healing after injury. *Journal of Cellular Physiology*, 214(2):p. 408, 409
- Sheu SC, Lai MH. (2012). Composition analysis and immuno-modulatory effect of Okra (*Abelmoschus esculentus* L.) extract. *Food Chem*; 134(4):p. 1906-1911.
- Singh, R., Arif, T., Khan, I., Sharma, P. (2014). Phytochemicals in antidiabetic drug discovery. *Journal of Biomedical & Therapeutic Sciences*;1(1):1.
- Sirois, M. (2004). Principle and Practice of Veterinary Technology. *St. Louis, Mo.:* Mosby. p.120
- Standards of Medical Care in Diabetes—2016: Summary of Revisions. (2015). *Diabetes Care*, 39(Supplement 1): p. S4–S5.

- Sugiyono. (2008). Metode Penelitian pendidikan pendekatan kuantitatif, kualitatif, dan R&D. Bandung: Alfabeta.
- Sula, B., Deveci, E., Özevren, H., Ekinçi, C. & Elbey, B. (2016). Immunohistochemical and histopathological changes in the skin of rats after administration of lead acetate. *Int. J. Morphol*; 34(3):919.
- Suryavanshi, S. V., & Kulkarni, Y. A. (2017). NF- κ B: A Potential Target in the Management of Vascular Complications of Diabetes. *Frontiers in pharmacology*;8(798):p. 1
- Sudiana, I. K. (2004). *Pewarnaan apoptosis. In: Teknologi Ilmu Jaringan and Imunohistokimia*. Jakarta: Sagung Seto. pp.9-47.
- Solomon, S., Muruganatham, N., Senthamilselvi, M. M. (2016). Anti-Oxidant and Anti-Inflammatory Activity of *Abelmoschus Esculentus* (Flowers). *Indo American Journal Of Pharmaceutical Sciences*;3(6):p. 605
- Szondy, Z., Sarang, Z., Kiss, B., Garabuczi, É., & Köröskényi, K. (2017). Anti-inflammatory Mechanisms Triggered by Apoptotic Cells during Their Clearance. *Frontiers in immunology*;8(909):p. 2
- Tahergorabi, Z and Khazaei, M. 2012. *Imbalance of Angiogenesis in Diabetic Complications: The Mechanisms*. International Journal of Preventive Medicine;3(12):p. 828.
- Talubmook C, and Buddhakala, N. (2013). Bioactivities of Extracts from *Tinospora Crispa* Stems, *Annona Squamosa* Leaves, *Musa Sapientum* Flowers, and *Piper Sarmentosum* Leaves in Diabetic Rats. *Journal of Advancements in Research & Technology*, 2(6):14.
- Tian, Z.-H., Miao, F.-T., Zhang, X., Wang, Q.-H., Lei, N., & Guo, L. (2015). Therapeutic effect of okra extract on gestational diabetes mellitus rats induced by streptozotocin. *Asian Pacific Journal of Tropical Medicine*; 8(12): p.1039
- Tran DQ, Andersson J, Wang R, Ramsey H, Unutmaz D, Shevach EM.(2009). GARP (LRRC32) is essential for the surface expression of latent TGF-beta on platelets and activated FOXP3+ regulatory T cells. *Proc Natl Acad Sci U S A*;106(32):13445–50
- Vairamon SJ, Babu M, Viswanathan V. (2009). Oxidative stress markers regulating the healing of foot ulcers in patients with Type 2 diabetes. *Wounds*;21(10):p. 273–279.

- Velnar, T., Bailey, T And Smrkolj, V. (2009). The Wound Healing Process: an Overview of the Cellular and Molecular Mechanisms. *The Journal of International Medical Research*; 37(5):p. 1529,1536,1537
- Wang, L., Qin, W., Zhou, Y., Chen, B., Zhao, X., Zhao, H., Ning, J. (2017). Transforming growth factor β plays an important role in enhancing wound healing by topical application of Povidone-iodine. *Scientific Reports*, 7(991):p. 4
- Werner S, Krieg T, Smola H. (2007). Keratinocyte- broblast interactions in wound healing. *J Invest Dermatol*;127:998-1008.
- Wilgus, T. A., Roy, S., McAndiel, J. C. (2013). Neutrophils and Wound Repair: Positive Actions and Negative Reactions. *Adv Wound Care (New Rochelle)*;2(7):p. 381
- World Oral Health Organization. (2016). *Global Report On Diabetes*. WHO Library Cataloguing-in-Publication Data; p. 6
- Xia, F., Zhong, Y., Li, M., Chang, Q., Liao, Y., Liu, X., Pan, R. (2015). Antioxiandt and Anti-Fatigue Constituents of Okra. *Nutrients*; p. 8846-8847
- Xiao, X., Fischbach, S., Zhang, T., Chen, C., Sheng, Q., Zimmerman, R., Gittes, G. K. (2017). SMAD3/Stat3 Signaling Mediates β -Cell Epithelial-Mesenchymal Transition in Chronic Pancreatitis-Related Diabetes. *Diabetes*, 66(10), p. 12
- Yamano, S., Kuo, W. P, Sukotjo, C. (2012). Downregulated gene expression of TGF- β s in diabetic oral wound healing. *Journal of Cranio-Maxillo-Facial Surgery*;p. 6
- Yeo, Y. L., Chia, Y. Y., Lee, C. H., Sow, H. S., Yap, W.S. (2014). Effectiveness of Maceration Periods with Different Extraction Solvents on *in-vitro* Antimicrobial Activity from Fruit of *Momordica charantia* L. *Journal of Applied Pharmaceutical Science*; 4 (10): 016-023
- Yip, W. L. (2014). Influence of oxygen on wound healing. *International Wound Journal*, 12(6):p. 620-624
- Yonas, M., Garedew, W., Debela, A. (2014). Multivariate Analysis among Okra (*Abelmoschus esculentus* (L.) Moench) Collection in South Western Ethiopia. *Journal of Plant Sciences*;9(2):p. 43
- Yui, K., Imataka, G., Nakamura, H., Ohara, N., Naito, Y. (2015). Eicosanoids Derived From Arachidonic Acid and Their Family Prostaglandins and

Cyclooxygenase in Psychiatric Disorders. *Current Neuropharmacology*;13(6):p. 776

- Zhang, R., Yao, Y., Wang, Y., and Ren, G. (2011). Antidiabetic activity of isoquercetin in diabetic KK –Ay mice. *Nutrition and Metabolism*; 8(85): p. 4
- Zhang, F., Ren, Y., Liu, P., Ren, Y., & Wang, D. (2016). Expression of TGF- β 1 and miRNA-145 in patients with diabetic foot ulcers. *Experimental and Therapeutic Medicine*, 11(5):p. 2013
- Zhao, R., Liang, H., Clarke, E., Jackson, C., & Xue, M. (2016). Inflammation in Chronic Wounds. *International Journal of Molecular Sciences*, 17(2085):p. 1
- Zhou, F., Zhou, Y., Yang, M., Wen, J., Dong, J., & Tan, W. (2018). Optimized multiparametric flow cytometric analysis of circulating endothelial cells and their subpopulations in peripheral blood of patients with solid tumors: a technical analysis. *Cancer Management and Research*, Vol. 10:p. 448-449