

DAFTAR PUSTAKA

- Abiko, Y., Selimovic, D., 2010, The Mechanism of Protracted Wound Healing on Oral Mucosa in Diabetes: Review, *Bosnian Journal of Basic Medical Science*, 10 (3): 186-191.
- Akbarzadeh, A., Norouzian, D., Mehrabi, M.R., Jamshidi, Sh., Farhangi, A., Verdi, A.A., Mofidian, S.M.A., Rad, B.L., 2007, *Indian Journal of Clinical Biochemistry*, 22 (2): 60-64.
- Akhlaghi, M., Bandy, B., 2009, Review Article: Mechanisms of Flavonoid Protection Against Myocardial Ischemia– Reperfusion Injury, *Journal Moleccular and Cellular Cardiology*, 46: 309–317.
- American Diabetes Association, 2010, Diagnosis and Classification of Diabetes Mellitus, *Diabetes Care*, 33 (1): 62-69.
- American Diabetes Association, 2013, Standards of Medical Care in Diabetes, *Diabetes Care*, 36 (1): 11-66.
- Anas, Y., Hidayati, D. N., Kurniasih, A., Dwi, L. K., Sanjaya, 2016, Aktivitas Antidiare Ekstrak Etanol Daun Nangka (*Artocarpus heterophyllus* Lam.) dan Daun Angsana (*Pterocarpus Indicus* Wild) pada Mencit Jantan Galur Balb/C, *Jurnal Ilmu Farmasi dan Farmasi Klinik*, 13 (1): 33-41.
- Barasch, A., Safford, M.M., Litaker, M.S., Gilbert, G.H., 2008, Risk Factors for Oral Postoperative Infection in Patients with Diabetes, *Special Care in Dentistry*, 28: 159–166.
- Birben, E., Sahiner, U.M., Sackesen, C., Erzurum, S., Kalayi, O., 2012, Oxidative Stress and Antioxidant Defense, *World Allergy Organ Journal*, 5(1): 9-19.
- Bratawidjaja, K.G., Rengganis, I., 2012, *Imunologi Dasar*, Edisi 10, FKUI, Jakarta.
- Cheng, A.Y.Y., Fantus, I.H., 2005, Oral Antihyperglycemic Therapy for Type 2 Diabetes Mellitus, *Canadian Medical Association Journal*, 172 (2): 213-226.
- Crabtree, M.J., Channon, K.M., 2011, Synthesis and Recycling of Tetrahydrobiopterin In Endothelial Function And Vascular Disease, *Nitric Oxide*, 25: 81-88.
- Daniel, E.E., Mohammed, A., Tanko, Y., Ahmed, A., Adams, M.D., Atsukwei, D., 2015, Effects of Lycopene on Thyroid Profile in Streptozotocin-Induced Diabetic Wistar Rats, *European Journal of Biotechnology and Biosciences*, 3(1): 21-28.

- Di Naso, F.C., Dias, A.S., Porawski, M., Marroni, N.A.P., 2011, Exogeneous Superoxide Dismutase: Action on Liver Oxidative Stress in Animals with STZ Induced-Diabetes, *Experimental Diabetes Research*, 1-6.
- 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*, 1-8.
- Fakbratahurrhazi, Hakim, R.F., Ulfa, L., 2017, Perbedaan Kadar Gula Darah Sewaktu Sebelum dan Setelah Pencabutan Gigi pada Pasien di Instalasi Gigi dan Mulut RSUD Banda Aceh, *Cakradonya Dental Journal*, 9 (2): 96-100.
- Farina, R., Trombelli, L., 2012, Wound Healing of Extraction Sockets, *Endodontic Topic*, 25(1): 16-43.
- Fattah, M., Anggraeni, S.R., Alfian, S.D., Levita, J., Diantini, A., 2012, Stabilitas Sampel SOD-Eritrosit dan GPx-Blood dalam Masa Penyimpanan Tujuh Hari, *Jurnal Farmasi Klinik Indonesia*, 1 (4): 162-170.
- Fiana, N., Oktaria, D., 2016, Pengaruh Kandungan Saponin dalam Daging Buah Mahkota Dewa (*Phaleria macrocarpa*) terhadap Penurunan Kadar Glukosa Darah, *Majority*, 5 (4): 128-132.
- Fitzmaurice, S.D., Sivamani, R.K., Isseroff, R.R., 2011, Antioxidant Therapies for Wound Healing: A Clinical Guide to Currently Commercially Available Products, *Skin Pharmacology and Physiology*, 24: 113–126.
- Gao, Y., 2017, *Biology of Vascular Smooth Muscle: Vasoconstriction and Dilatation*, Springer, Singapore.
- Gonzales, Y., Herrera M.T., Soldevila, G., Carcia-Garcia, L., Fabian, G., Perez-Armendariz, E.M., Bobadilla, K., Guzman-Beltran, S., Sada, E., Torres, M., 2012, High Glucose Concentrations Induce TNF- α Production through the Down-Regulation of CD33 in Primary Human Monocytes, *BMC Immunology*, 13 (19): 1-14.
- Goud, B.J., Dwarakanath, V., Chikkaswamy, B.K., 2015, Streptozotocin-A Diabetogenic Agent in Animal Models, *International Journal of Pharmacy and Pharmaceutical Research*, 3: 253-269.
- Gould, L., Abadir, P., Brem, H., Carter, M., Conner-Kerr, T., Davidson, J., 2015, Chronic Wound Repair and Healing in Older Adults: Current Status and Future Research, *Wound Repair Regeneration*, 23 (1):1-13.
- Gupta, N., Jain, U.K., Pathak, A.K., 2009, Wound Healing Properties of *Artocarpus Heterophyllus* Lam., *Ancient Science of Life*, 28 (4): 36-37.
- Hamzah, H., Fatimawali, Paulina, B.Y.Y., Mongi, J., 2013, Formulasi Salep Ekstrak Etanol Daun Nangka (*Artocarpus heterophyllus* Lam.) dan Uji

- Efektivitas terhadap Penyembuhan Luka Terbuka pada Kelinci, *Pharmakon Jurnal Ilmiah Farmasi – UNSRAT*, 2 (3), 62-66.
- Hassan, S., Shah, A., Hakim, T., Farooq, S., 2015, The Healing of Dental Extraction Sockets In Patients with Type 2 Diabetes on Oral Hypoglycaemics: A Prospective Study, *International Journal of Contemporary Medical Research*, 2 (5): 1258-1261.
- Herdiana, Y., 2007, Formulasi Gel Undesilenil Fenilalanin dalam Aktifitas sebagai Pencerah Kulit, *Karya Ilmiah*, Fakultas Farmasi, Universitas Padjajaran, Bandung. (Tidak Dipublikasikan).
- Huang, S., Dang, H., Huynh, W., Sambrook, P. J., Goss, A.N., 2013, The healing of Dental Extraction Sockets in Patients with Type 2 Diabetes on Oral Hypoglycaemics: A Prospective Cohort, *Australian Dental Journal*, 58(1): 89-93.
- International Diabetes Federation, 2015, *Diabetes Atlas*, Edisi 7, Karakas Print, Belgium.
- Integrated Taxonomic Information Sysem, 2018, *Taxonomic Hierarchy: Artocarpus heterophyllus Lam.*, [serial on line]. Available at: https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=184183#null, diakses pada 20 Oktober 2018.
- Ionel, A., Lucaciu, P., Moga, M., Buhatel, D., Ilea, A., Tabaran, F., Catoi, C., Berce, C., Toader, S., Campian, R.S., 2015, Periodontal Disease Induced in Wistar Rats-Experimental Study, *International Journal of the Bioflux Society*, 7 (2): 90-95.
- Jain, P., Gogri, A., Umarji, H.R., Kadam, S., 2017, Dreadful Complication of Uncontrolled Diabetes Mellitus– A Case Report, *Journal of Dental and Medical Sciences*, 16 (4): 95-101.
- Kim, C.H., 2013, Expression of Extracellular Superoxide Dismutase Protein In Diabete, *Archives of Plastic Surgery*, 40 (5): 517–521.
- Kanter, M., Coskun, O., Korkmaz, A., Oter, S., 2004, Effects of Nigella sativa on Oxidative Stres and Cell Damage in Streptozotocin-induced Diabetic Rats, *The Anatomical Record*, 279 (1): 685-691.
- Kaur, J., Singla, R., Jaitak, V., 2018, In Silico Study of Flavonoids as DPP-4 and α -glucosidase Inhibitors, *Letters in Drug Design and Discovery*, 15 (6).
- Kementerian Kesehatan, 2014, *Situasi dan Analisis Diabetes*, Infodatin: Pusat Data dan Informasi Kementerian Kesehatan RI, Jakarta.
- Kishore, L., Kajal, A., karbas, N., 2017, Role of Nicotinamide in Streptozotocin Induced Diabetes in Animal Models, *Journal of Endocrinology and Thyroid Research*, 2 (1): 1-4.

- Kolluru, G.K., Bir, S.C., Kevil, C.G., 2012, Endothelial Dysfunction and Diabetes: Effects on Angiogenesis, Vascular Remodeling, and Wound Healing, *International Journal of Vascular Medicine*, 1: 12-5.
- Kundi, J.A., Khattak, M.S., Shah, S.M.A., Ilyas, M., Khan, A., Khan, S., 2015, Causes of Tooth Extraction Amongst Diabetic Patients Seen in A Dental Hospital in Peshawar, *Pakistan Oral & Dental Journal*, 35 (4): 578-580.
- Kurahashi, T., Fujii, J., 2015, Roles of Antioxidative in Wound Healing, *Journal of Developmental Biology*, 3: 57-70.
- Kurniandari, N., Susantiningsih, T., Berawi, K.N., 2015, Efek Ekstrak Etanol Kulit Jeruk Nipis (*Citrus aurantifolia*) sebagai Senyawa Nefroprotektor terhadap Gambaran Histopatologis Ginjal yang Diinduksi Cisplatin, *Majority*, 4 (9): 140-143.
- Lande, R., Kepel, B.J., Siagian, K.V., 2015, Gambaran Faktor Risiko dan Komplikasi Pencabutan Gigi di RSGM PSPDG-FK Unsrat, *Jurnal e-GiGi (eG)*, 3 (2): 476-481.
- Lathifah, N.L., 2017, Hubungan Durasi Penyakit dan Kadar Gula Darah dengan Keluhan Subyektif Penderita Diabetes Melitus, *Jurnal Berkala Epidemiologi*, 5 (2): 231-239.
- Luo, J.D., Wang, Y.Y., Fu, W.L., Wu, J., Chen, A.F., 2004, Gene Therapy of Endothelial Nitric Oxide Synthase and Manganese Superoksida Dismutase Restores Delayed Wound Healing in Type 1 Diabetic Mice, *Circulation*, 110: 2484-2493.
- Maslachah, L., Sugihartuti, R., Kurniasanti, R., 2008, Hambatan Produksi Reactive Oxygen Species Radikal Superoksida (O₂ .-) oleh Antioksidan Vitamin E (α -tocopherol) pada Tikus Putih (*Rattus norvegicus*) yang Menerima Stressor Renjatan Listrik, *Media Kedokteran Hewan*, 24 (1): 21-26.
- Middleton Jr., E., Kandaswami, C., Theoharides, T.C., 2000, The Effects of Plant Flavonoids on Mammalian Cells: Implications for Inflammation, Heart Disease, And Cancer, *Pharmacology Review*, 52: 673-751.
- Mirza, R.E., Fang, M.M., Winheimer-Haus, E.M., Ennis, W.J., Koh, T.J., 2014, Sustained Inflammation Activity in Macrophages Impairs Wound Healing in Type 2 Diabetic Humans and Mice, *Diabetes*, 63: 1103-1114.
- Mittal, M., Siddiqui, M.R., Tran, K., Reddy, S.P., Malik, A.B., 2014, Reactive Oxygen Species in Inflammation and Tissue Injury, *Antioxidant and Redox Signaling*, 20 (7): 1126-1167.
- Morakinyo, A.O., Akindele, A. J., Ahmed, Z., 2011, Modulation of Antioxidant Enzymes and Inflammatory Cytokines: Possible Mechanism of Anti-diabetic Effect of Ginger Extracts, *African Journal of Biomedicine and Research*, 14 (3): 195-202.

- Mozzati, M., Gallesio, G., Romana S., Bergamasco, L., Pol, R., 2014, Efficacy of Plasma-Rich Growth Factor in The Healing of Postextraction Sockets in Patients Affected by Insulin-Dependent Diabetes Mellitus, *Journal of Oral Maxillofacial Surgery*, 72(3): 456-62.
- Nguyen, G.T., Green, E.R., Meccas, J., 2017, Neutrophils to the ROScue: Mechanisms of NADPH Oxidase Activation and Bacterial Resistance, *Frontiers in Cellular and Infection Microbiology*, 7: 1-24.
- Noer, S., Pratiwi, R.D., Gresinta, E., 2018, Penetapan Kadar Senyawa Fitokimia (Tanin, Saponin Dan Flavonoid Sebagai Kuersetin) Pada Ekstrak Daun Inggu (*Ruta angustifolia* L.), *Eksakta: Jurnal-Jurnal MIPA*, 18: 19-29.
- Nofikasari, I., Afifah, R., Chyntia, D., Failasofia., 2016, Efek Aplikasi Topikal Gel Pandan Wangi Terhadap Penyembuhan Luka Gingiva, *Majalah Kedokteran Gigi*, 2(2): 53-59.
- Offor, C.E., Alope, C., Ugwu, O.P.C., Ekpono, E.U., Nwobasi, C.S., Egbeji, E.E., 2017, Phytochemical and Proximate Compositions of *Artocarpus Heterophyllus* Leaves, *International Digital Organization for Scientific Research: Journal of Applied Sciences*, 2(1): 123-130.
- Oh, Y.S., Jun, H.S., 2017, Effects of Glucagon-Like Peptide-1 on Oxidative Stress and Nrf2 Signaling, *International Journal of Molecular Sciences*, 19(1): 1-16.
- Omar, S.H., El-Beshbishy, H.A., Moussa, Z., Taha, K.F., Singab, A.N.B., 2011, Antioxidant Activity of *Artocarpus heterophyllus* Lam. (Jack Fruit) Leaf Extracts: Remarkable Attenuations of Hyperglycemia and Hyperlipidemia in Streptozotocin-Diabetic Rats, *The Scientific World Journal*, 11, 788-800.
- Orsted, H.L., Keast, D., Lalande, L.F., Megie, M.F., 2011, Basic Principles of Wound Healing, *Wound Care Canada*, 9 (2): 4-12.
- Panche, A.N., Diwan, A.D., Chandra, S.R., 2016, Flavonoids: An Overview, *Journal of Nutritional Science*, 5 (47): 1-15.
- Pedersen, G.W., 2013, *Buku Ajar Praktis Bedah Mulut (4th ed)*, EGC, Jakarta.
- Peleg, A.Y., Weerarathna, T., Mccharty, J.S., Davis, T.M.E., 2007, Common Infections in Diabetes: Pathogenesis, Management and Relationship to Glycaemic Control, *Diabetes/Metabolism Research and Reviews*, 23 (1): 3-13.
- Periyanayagam, K., Karthiketan, V., 2013, Pharmacognostical, Sem And Xrf Profile of The Leaves of *Artocarpus Heterophyllus* Lam. (Moraceae) – A Contribution To Combat The Ntd, *Innovare Journal of Life Science*, 1: 28 – 33.

- Pitocco, D., Tesauro, M., Alessandro, R., Ghirlanda, G., Cardillo, C., 2013, Oxidative Stres in Diabetes: Implications for Vascular and Other Complications, *International Journal of Molecular Sciences*, 14(11): 21525–21550.
- Price, S.A., Wilson, L.M., 2006, *Patofisiologi Volume 2*, EGC, Jakarta.
- Rahmawati, G., Rachmawati, F. N., Winarsi, H., 2014, Aktivitas Superoksida Dismutase Tikus Diabetes yang Diberi Ekstrak Batang Kapulaga dan Glibenklamid, *Scripta Biologica*, 1 (3): 197-201.
- Riaz, S., 2009, Diabetes Mellitus, *Scientific Research and Essay*, 4 (5): 367-373.
- Robertson, R.P., Harmon, J., Tran, P.O., Poitout, V., 2004, B-cell glucose toxicity, lipotoxicity, and Chronic Oxidative Stres in Type 2 Diabetes, *Diabetes*, 53(1): 119–24.
- Sari, P.A., Simanjutak, S.B.I., Winarsi, H., 2014, Aktivitas Enzim Superoksida Dismutase Tikus Diabetes yang Diberi Ekstrak Daun Kapulaga Amoumum cardamomum, *Scripta Biologica*, 1 (3): 193-196.
- Sayuti, N.A., 2015, Formulasi dan Uji Stabilitas Fisik Sediaan Gel Ekstrak Daun Ketepeng Cina (*Cassia alata L.*), *Jurnal Kefarmasian Indonesia*, 5 (2): 74-82.
- Schäfer, M., Werner, S., 2008, Oxidative Stres in Normal and Impaired Wound Repair, *Pharmacological Research*, 58: 165–171.
- Soeksmanto, A., Hapsari, Y., Simanjuntak, P., 2007, Kandungan Antioksidan pada Beberapa Bagian Tanaman Mahkota Dewa, *Phaleria macrocarpa* (Scheff) Boerl. (Thymelaceae), *Jurnal Biodiversitas*, 8 (2): 92-95.
- Soto, C., Recoba, R., Barrón, H., Alvarez, C., Favari, L., 2003 Silymarin increases antioxidant enzymes in alloxaninduced diabetes in rat pancreas, *Comparative Biochemistry and Physiology Part C: Toxicology and Pharmacology*, 136 (3): 205-12.
- Stacey, M., 2016, Why Does Wound Heal, *Wounds International 2016*, 7 (1): 16-21.
- Sugiaman, V.K., 2011, Peningkatan Penyembuhan Luka di Mukosa Oral Melalui Pemberian Aloe Vera (Linn.) Secara Topikal, *Jurnal Kedokteran Maranatha*, 11 (1): 70-79.
- Sun, Y., Yang, J., Wang, H., Zu, C., Tan, L., Wu, G., 2015, Standardization of Leaf Sampling Technique in Jackfruit Nutrient Status Diagnosis, *Agricultural Sciences*, 6: 232-237.

- Sutawardana, J. H., Yulia, Waluyo, A., 2016, Studi Fenomenologi Pengalaman Penyandang Diabetes Melitus yang Pernah Mengalami Episode Hipoglikemia, *Nurseline Journal*, 1 (1):159-175.
- Tiwari, B.K., Abidi, A.B., Rizvil, S.I., 2013, Markers of Oxidative Stres during Diabetes Mellitus, *Journal of Biomarkers*, 1-8.
- Toth, C., Clemens, Z., 2014, Type 1 Diabetes Mellitus Successfully Managed with the Paleolithic Ketogenic Diet, *International Journal of Case Reports and Images*, 5 (10): 699-703.
- Velnar, T., Bailey, T., Smrkolj, V., 2009, The Wound Healing Process: and Overview of the Cellular and Molecular Mechanism, *The Journal of International Medical Research*, 37 (5): 1528-1542.
- Wahjuni, S., 2015, *Superoksida Dismutase (SOD) sebagai Prekursor Antioksidan Endogen pada Stres Oksidatif*, Udayana University Press, Denpasar.
- Wang, J., Wang, H., 2017, Oxidative Stres in Pancreatic Beta Cell Regeneration, *Oxidative Medicine and Cellular Longevity*, 1-9.
- Winarsi, H., 2007, *Antioksidan Alami dan Radikal Bebas*, Kanisius, Yogyakarta.
- World Health Organization, 2016, *Global Report on Diabetes*, WHO Press, Switzerland.

