

DAFTAR PUSTAKA

Arief, H., dan Widodo, M. A., 2016, Peranan Stres Oksidatif pada Proses Penyembuhan Luka, *Jurnal Ilmiah Kedokteran Wijaya Kusuma*, 5(2):22-29.

Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A. R., Luhar, S., Sandu, A. V., Jamil, N. H., dan Nabialek, M., 2022, Synthesis Methods of Hydroxyapatite from Natural Sources: A Review, *Ceramics International*, 48:14959-14979.

Athira, R. K., Gayathry, G., Kumar, P. R. A., Varma, P. R. H., Kasoju, N., dan Komath, M., 2021, Hydroxyapatite cages with aligned pores for bone grafting – Seeding of human osteoblast-like cells in vitro and their response in dynamic culture mode, *Ceramics International*, 47:30051-30060.

Badan Pusat Statistik (BPS), 2021, *Produksi Daging Ayam Ras Pedaging menurut Provinsi (Ton) 2019-2021*, diakses dari <https://www.bps.go.id/indicator/24/488/1/produksi-daging-ayam-ras-pedaging-menurut-provinsi.html> pada tanggal 13 April 2021 pukul 10.11 WIB.

Barreto R., Barrois, B., Lambert, J., Kumar, S. M., Fernandes, V. S., dan Monstrey, S., 2020, Addressing the challenges in antisepsis: focus on povidone iodine, *International Journal of Antimicrobial Agents*, 56(3):1-11.

Barua, E., Deoghare, A. B., Deb, P., Lala, S. D., dan Chatterjee, S., 2019, Effect of Pre-treatment and Calcination Process on Micro-Structural and Physico-Chemical Properties of Hydroxyapatite derived from Chicken Bone Bio-waste, *Materials Today: Proceedings*, 15:188-198.

Bee, S. L., Mariatti, M., Ahmad, N., Yahaya, B. H., dan Hamid, Z. A. A., 2019, Effect of the calcination temperature on the properties of natural hydroxyapatite derived from chicken bone wastes, *Materials Today: Proceedings*, 16:1876-1885.

Beuling, M. G., Agterbos, P. C. G., Riet, T. C. T., Ho, J. P. T. F., Vries, R., Kober, J., dan Lange, J., 2023, Forces and Movements During Tooth Extraction: A Scoping Review, *Advances in Oral and Maxillofacial Surgery*, 9:1-6.

Broers, D. K. M., Dubois, L., Lange, J., Su, N., dan Jongh, A., 2022, Reasons for Tooth Removal in Adults: A Systematic Review, *International Dental Journal*, 72:52-57.

Cartland, S., Genner, S., Zahoor, A., dan Kavurma, M., 2016, Comparative Evaluation of TRAIL, FGF-2 and VEGF-A-Induced Angiogenesis In Vitro and In Vivo, *International Journal of Molecular Sciences*, 17(12):1-11.

Coelho, C. C., Padrao, T., Costa, L., Pinto, M. T., Costa, P. C., Domingues, V. F., Quadros, P. A., Monteiro, F. J., dan Sousa, S. R., 2020, The Antibacterial and Angiogenic Effect of Magnesium Oxide in A Hydroxyapatite Bone Substitute, *Scientific Reports*, 10(1):1-15.

Dalal, P. J., Muller, W. A., dan Sullivan, D. P., 2020, Endothelial Cell Calcium Signaling During Barrier Function and Inflammation, *The American Journal of Pathology*, 190(3):535-542.

Damayanti, M. M., dan Yuniarti, 2016, Review Jurnal : Pengaruh Pemberian Platelet-Rich Fibrin Dalam Mempercepat Proses Penyembuhan Luka Pasca Ekstraksi Gigi, *Prosiding SNaPP2016 Kesehatan*, 6(1):34-39.

Darland, D. C., dan D'Amore, P. A., 2001, TGF beta is required for the formation of capillary-like structures in three-dimensional cocultures of 10T1/2 and endothelial cells. *Angiogenesis*, 4(1):11-20.

Dewi, A. H., dan Ana, I. D., 2018, The Use of Hydroxyapatite Bone Substitute Grafting For Alveolar Ridge Preservation, Sinus Augmentation, and Periodontal Bone Defect: A Systematic Review, *Heliyon*, 4(10):1-30.

Direktorat Statistik Peternakan, Perikanan, dan Kehutanan, 2022, *Peternakan Dalam Angka 2022*, Badan Pusat Statistik, Jakarta, hal. 50.

Du, B., Liu, W., Deng, Y., Li, S., Liu, X., Gao, Y., dan Zhou, L., 2015, Angiogenesis and Bone Regeneration of Porous Nano-Hydroxyapatite/Coralline Blocks Coated With rhVEGF in Critical-Size Alveolar Bone Defects in vivo, *International Journal of Nanomedicine*, 10:2555-2565.

Ellenbroek, B., dan Youn, J., 2016, Rodent Models in Neuroscience Research: Is It A Rat Race? *Disease Models & Mechanisms*, 9(10):1079–1087.

Elrayah, A., Alhessen, W. H. A., Weng, J., & Suliman, E., 2021, Synthesis of Sugar Spheres to Fabricate Hydroxyapatite Scaffolds, *International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE)*, 20:1-4.

Fonseca, R. J., 2018, *Oral and Maxillofacial Surgery*, 3rd ed., Elsevier, Missouri, hal. 275, 894.

Gao, J., Hao, L-S., Ning, B-B., Zhu, Y-K., Guan, J-B., Ren, H-W., Yu, H-P., Zhu, Y-J. dan Duan, J-L., 2022, Biopaper Based on Ultralong Hydroxyapatite Nanowires and Cellulose Fibers Promotes Skin Wound Healing by Inducing Angiogenesis, *Coatings*, 12(479):1-19.

Gianni-Barrera, R., Butschkau, A., Uccelli, A., Certelli, A., Valente, P., Bartolomeo, M., Groppa, E., Burger, M. G., Hlushchuk, R., Heberer, M., Schaefer, D. J., Gürke, L., Djonov, V., Vollmar, B., dan Banfi, A., 2018, PDGF-BB Regulates Splitting Angiogenesis In Skeletal Muscle By Limiting VEGF-Induced Endothelial Proliferation, *Angiogenesis*, 21(4):883–900.

Gonzalez, A. C. O., Andrade, Z. A., Costa, T. F., dan Medrado, A. R. A. P., 2016, Wound healing - A literature review, *An Bras Dermatol*, 91(5):614-620.

Guan, X., Rao, X., Song, G., dan Wang, D., 2022, The Evolution of Courtship Displays in Galliformes, *Avian Research*, 13:1-6.

Han, K. S., Sathiyaseelan, A., Saravanakumar, K., dan Wang, M. H., 2022, Wound healing efficacy of biocompatible hydroxyapatite from bovine bone waste for bone tissue engineering application, *Journal of Environmental Chemical Engineer*, 10(1):1-7.

Hanny, A., Islam, M. R., Sumdani, M. G., dan Rashidi, N. M., 2019, The effects of sintering on the properties of epoxy composites reinforced with chicken bone-based hydroxyapatites, *Polymer Testing*, 78(1):1-8.

Hovsepian-Khatcherian, M., Villarroel-Dorrego, M., Marquez, M., 2019, Procedure and Care in the Exodontia of Molars in Albino Rats for Experimental Purposes, *International Journal of Dentistry and Oral Health*, 6(1): 1-5.

Johnson, K. E., dan Wilgus, T. A., 2014, Vascular Endothelial Growth Factor and Angiogenesis in the Regulation of Cutaneous Wound Repair, *Advances in Wound Care*, 3(10):647–661.

Kementerian Kesehatan RI, 2018, *Laporan Nasional Riskesdas 2018*, Badan Penelitian dan Pengembangan Kesehatan (LPB), Jakarta, hal. 186.

Khairunnisa, S. F., Ningtyas, A. A., Haykal, S. A., dan Sari, M., 2018, Efektivitas getah pohon pisang (*Musa paradisiaca*) pada penyembuhan luka soket pasca pencabutan gigi, *J Ked Gi Unpad*, 30(2):107-112.

Khan, M. N., dan Naqvi, U. H., 2006, Antiseptics, iodine, povidone iodine and traumatic wound cleansing, *Journal of Tissue Viability*, 16(4):6-10.

Kim, B., Kim, J., Yang, S., Kim, H., Lim, S. H., dan Lee, J. Y., 2015, Angiogenin-Loaded Fibrin/Bone Powder Composite Scaffold for Vascularized Bone Regeneration, *Biomaterials Research*, 19(18):1-9.

Kretschmer, M., Rudiger, D., dan Zahler, S., 2021, Mechanical Aspects of Angiogenesis, *Cancers*, 13(19):1-17.

Landen, N. X., Li, D., dan Stahle, M., 2016, Transition from inflammation to proliferation: a critical step during wound healing, *Cellular and Molecular Life Sciences*, 73:3861–3885.

Liang, W., Zhang, Y., Zhou, L., Dean, D. C., Zhang, L., dan Liu, Y., 2022, Zeb1 Regulation of Wound-healing-induced Inflammation in Alkali-damaged Corneas, *iScience*, 25:1-16.

Luna-Domínguez, J. H., Téllez-Jiménez, H., Hernández-Cocoletzi, H., García-Hernández, M., Melo-Banda, J. A., dan Nygren, H., 2018, Development And In Vivo Response Of Hydroxyapatite/Whitlockite From Chicken Bones As Bone

Substitute Using A Chitosan Membrane For Guided Bone Regeneration, *Ceramics International*, 44(18):22583-22591.

Mancinelli, E., dan Capello, V., 2016, Anatomy and Disorders of the Oral Cavity of Rat-like and Squirrel-like Rodents. *Veterinary Clinics of North America: Exotic Animal Practice*, 19(3):871–900.

Maynard, R. L., dan Downes, N., 2019, *Anatomy and Histology of the Laboratory Rat in Toxicology and Biomedical Research*, Elsevier, UK, hal. 4.

Melincovici, C. S., Bosca, A. B., Susman, S., Marginean, M., Mihiu, C., Istrate, M., Moldovan, I. M., Roman, A. L., dan Mihiu, C. M., 2018, Vascular Endothelial Growth Factor (VEGF) - Key Factor in Normal and Pathological Angiogenesis, *Rom J Morphol Embryol*, 59(2):455-467.

Menie, M. A. W., Peñaherrera-Aguirre, M., dan Sarraf, M. A., 2022, Signs Of A Flynn Effect in Rodents? Secular Differentiation Of The Manifold Of General Cognitive Ability in Laboratory Mice (*Mus Musculus*) and Norwegian Rats (*Rattus Norvegicus*) Over A Century—Results from Two Cross-Temporal Meta-Analyses, *Intelligence*, 95:1-14.

Munir, M. U., Salman, S., Ihsan, A., dan Elsaman, T., 2022, Synthesis, Characterization, Functionalization and Bio-Applications of Hydroxyapatite Nanomaterials: An Overview, *International Journal Of Nanomedicine*, 17:1903-1925.

Murti, A. T., Suroto, K. S., dan Karamina, H., 2020, Analisa Keuntungan Usaha Peternakan Ayam Broiler Pola Mandiri di Kabupaten Malang, *SOCA: Jurnal Sosial Ekonomi Pertanian*, 14(1):40-54.

Nascimento, T. F., Souza, S. S. D., Da Luz, T. M., Gomes, L. a. S., Gonçalves, S. D. O., Ahmed, M. a. I., Guimarães, A. T. B., Rodrigues, A. S. D. L., dan Malafaia, G., 2022, Steel Wools Microfibers Causes Iron Overload and Induces Biochemical Changes in *Gallus gallus Domesticus* Chicks (Galliformes: Phasianidae), *Chemosphere*, 293:1-13.

Nirwana, I., Munadziroh, E., Yuliati, A., Fadhila, A. I., Nurliana, Wardhana, A. S., Shariff, K. A., dan Surboyo, M. D. C., 2022, Ellagic Acid And Hydroxyapatite

Promote Angiogenesis Marker In Bone Defect, *Journal of Oral Biology and Craniofacial Research*, 12:116-120.

Nowak-Sliwinska, P., Alitalo, K., Allen, E., Anisimov, A., Aplin, A. C., Auerbach, R., Augustin, H. G., Bates, D. O., van Beijnum, J. R., Bender, R. H. F., Bergers, G., Bikfalvi, A., Bischoff, J., Böck, B. C., Brooks, P. C., Bussolino, F., Cakir, B., Carmeliet, P., Castranova, D., . . . , dan Griffioen, A. W., 2018, Consensus Guidelines For The Use And Interpretation Of Angiogenesis Assays, *Angiogenesis*, 21(3):425–532.

Nuradi, Budiman, E. J., 2018, Analisis Kadar Kalsium (Ca) pada Ceker Ayam Kampung dan Ceker Ayam Potong dengan Metode Spektrofotometri Serapan Atom, *Jurnal Media Analis Kesehatan*, 9(2):141-148.

Oki, A. S., Amalia, N., Tantiana, 2019, Wound healing acceleration in inflammation phase of post-tooth extraction after aerobic and anaerobic exercise, *Science & Sports*, 35:168.e1-168.e6.

Okwunodulu, I. N., Daniel, M. C., Ndife, J., dan Okwunodulu, F. U., 2022, Calcium and Phosphorous Insight Of Local Chicken, Broiler and Old Layer Bones and Their Ratios For Optimal Bone Health and Development, *Food Chemistry Advances*, 1(1):1-5.

Park, S., Park, J., Kang, I., Lee, H., dan Noh, G., 2022, Effects of Assessing The Bone Remodeling Process in Biomechanical Finite Element Stability Evaluations of Dental Implants, *Computer Methods and Programs in Biomedicine*, 221:1-10.

Payung, H., Anindita, P. S., dan Hutagalung, B. S. P., 2015, Gambaran Kontraindikasi Pencabutan Gigi di RSGM UNSRAT Tahun 2014, *Jurnal Kedokteran Komunitas dan Tropik*, 3(3):170-179.

Purnama, H., Sriwidodo, dan Ratnawulan, S., 2017, Review Sistematis: Proses Penyembuhan Dan Perawatan Luka, *Farmaka*, 15(2):251.

Rajendran, S., 2019, *Advanced Textiles for Wound Care*, 2nd ed., Elsevier, Kidlington, hal. 513.

Rucker, M., Laschke, M. W., Junker, D., Carvalho, C., Schramm, A., Mulhaupt, R., Gellrich, N., dan Menger, M. D. 2006. Angiogenic and Inflammatory Response to Biodegradable Scaffolds in Dorsal Skinfold Chambers of Mice, *Biomaterials*, 27: 5027–5038.

Samidah, S., Prihantono, Ahmad, M., Jompa, J., Rafiah, S., dan Usman, A. N., 2021, The Effectiveness Of 7% Table Salt Concentration Test To Increase Collagen in The Healing Process of Wound, *Gac Sanit*, 35(2):199-201.

Sari, R., Larasati, G. S., Kuncorowati, N. G., dan Syaify, A., 2020, Platelet-Rich Fibrin (PRF) Membranes Accelerate Open Wound Healing Better Than Amniotic Membranes: A Histological Study on The Proliferation Phase, *Wound Medicine*, 31:1-5.

Sherwood, L., 2013, *Study Guide Human Physiology From Cells to Systems*, 8th ed., Brooks/Cole Cengage Learning, USA, hal. 189-190.

Sköld, U. M., Birkhed, D., Xu, J. Z., Lien, K. H. Stensson, M., dan Liu, J. F., 2022, Risk factors for and prevention of caries and dental erosion in children and adolescents with asthma, *Journal of Dental Sciences*, 17(3):1387-1400.

Soriente, A., Fasolino, I., Gomez-Sánchez, A., Prokhorov, E., Buonocore, G. G., Luna-Barcenas, G., Ambrosio, L., dan Raucci, M. G., 2021, Chitosan/Hydroxyapatite Nanocomposite Scaffolds To Modulate Osteogenic and Inflammatory Response, *Journal of Biomedical Materials Research Part A*, 110(2):266–272.

Struillou, X., Boutigny, H., Soueidan, A., dan Layrolle P., 2010, Experimental animal models in periodontology: A review, *Open Dent J*, 2010, 4:37-47.

Suchy, P., Strakova, E., Herzig, I., Steinhäuser, L., Kralik, G., Zapletal, D., 2009, Chemical Composition of Bone Tissue in Broiler Chickens Intended for Slaughter, *Czech J. Anim. Sci.*, (7): 324-330.

Surahman, A., Aditama, B., Bakri, M., dan Rasna, 2021, Sistem Pakan Ayam Otomatis Berbasis Internet Of Things, *JTST*, 2(1):13-20.

Syam, I. A., Hatta, R., dan Ruslin, M., 2015, Potensi dari ceker ayam kampung (*Gallus domesticus*) untuk mempercepat penyembuhan soket pasca ekstraksi gigi, *Makassar Dent J*, 4(2): 50-55.

Todorovic, K., Jovanovic, G., ..., Ilic, S., Stojanovic, N., dan Stojnev, S., 2018, Effects of Coenzyme Q₁₀ Encapsulated in Nanoliposomes on Wound Healing Process After Tooth Extraction, *Journal of Dental Sciences*, 13:103-108.

Tortora, G. J., dan Derrickson, J., 2014, *Principles of Anatomy and Physiology*. 14th ed., Danvers, Wiley, hal.159.

Umiarti, A. T., 2020, *Manajemen Pemeliharaan Broiler*, Pustaka Larasan, Denpasar, hal. 6.

Wang, C., Shang, H., Cui, W., Zhou, F., Zhang, S., Wang, X., Gao, P., Wei, K., dan Zhu, R., 2022, Pine Pollen Polysaccharides Promote Cell Proliferation and Accelerate Wound Healing By Activating The JAK2-STAT3 Signaling Pathway, *International Journal of Biological Macromolecules*, 210:579-587.

Watson, E. C., Grant, Z.L., dan Coultas, L., 2017, Endothelial Cell Apoptosis in Angiogenesis and Vessel Regression, *Cell. Mol. Life Sci.*, 74:4387-4403.

Weisel, J. W., dan Litvinov, R. I., 2017, Fibrin Formation, Structure and Properties, *Subcell Biochem*, 82:405-456.

Xiong, Y., Ren, C., Zhang, B., ..., Tu, C., dan Duan, H., 2014, Analyzing the Behavior of A Porous Nano-Hydroxyapatite/Polyamide 66 (n-HA/PA66) Composite for Healing of Bone Defects, *International Journal of Nanomedicine*, 9:485-494.

Yang, S., Lu, S., Ren, L., Bian, S., Zhao, D., Liu, M., dan Wang, J., 2023, Ginseng-derived Nanoparticles Induce Skin Cell Proliferation and Promote Wound Healing, *Journal of Ginseng Research*, 47:133-143.

Zhang, Y., Ideguchi, H., Aoyagi, H., Yamashiro, K., Yamamoto, T., Nishibori, M., dan Takashiba, S., 2021, Malnutrition delayed wound healing after tooth extraction by HMGB1-related prolonged inflammation, *International Immunopharmacology*, 96(1):1-11.