

## DAFTAR PUSTAKA

- Abedini, F., 2016. Factors Involved in Tissue Regeneration. *J Regen Med*, 5(1), pp. 108-115.
- Ahmadi, F., Oveisi, Z., Samani, SM., dan Amoozgar, Z., 2015. Chitosan based hidrogels: characteristics, dan pharmaceutical applications. *Res Pharm Sci*, 10(1):1-16. PMID: 26430453; PMCID: PMC4578208
- Anindyajati, T., Lastianny, S., Yogianti, F., dan Murdiastuti, K., 2021. Effect of collagen-chitosan hydrogel formula combined with platelet-rich plasma (a study of ph, viscosity, and swelling test). *Majalah Kedokteran Gigi Indonesia*, 6(3), 123–129. <https://doi.org/10.22146/majkedgiind.44391>
- Ansari, S., Ito, K., dan Hofmann, S., 2022. Alkaline phosphatase activity of serum affects osteogenic differentiation cultures. *ACS Omega*, 7(15), pp. 12724–12733. Available at: <https://doi.org/10.1021/acsomega.1c07225>.
- Antoni, D., Burckel, H., Josset, E., dan Noel, G., 2015. Three-dimensional cell culture: A breakthrough in vivo. *Int J Mol Sci*, 16(12), pp. 5517–5527. <https://doi.org/10.3390/ijms16035517>
- Beck, G., Zerler, B., dan Moran, E., 2001. Gene Array Analysis of Osteoblast Differentiation, *Cell Growth Differ*, 12(2), pp. 61–83.
- Charles Hornung, M., 2018. Regulation of Bone Health Parameters in MG-63 Cell Line After Treatment with Biofield Energy Treated Vitamin D. *AJBLs*, 6(1), p.9.
- Chatelet, C., 2001. Influence of the degree of acetylation on some biological properties of chitosan films. *Biomaterials*, 22(3), pp.261-268.
- Chen, H., Li, J., dan Wang, Q., 2018. Associations between bone-alkaline phosphatase, dan bone mineral density in adults with, and without diabetes. *Medicine*, 97(17), p.e0432.
- Czekanska, E., Stoddart, M., Richards, R., dan Hayes, J., 2012. In search of an osteoblas cell model for in vitro research. *Eur. Cells Mater.*, 24, pp.1-17.
- Danikowski, K., dan Cheng, T., 2019. Colorimetric Analysis of Alkaline phosphatase Activity in *S. Aureus* Biofilm. *J. Vis. Exp.*, (146), pp 156-168.
- Demirtaş, T. T., Göz, E., Karakeçili, A., dan Gümüşderelioğlu, M., 2015. Combined delivery of PDGF-BB and BMP-6 for enhanced osteoblastic differentiation. *J Mater Sci Mater Med*, 27(1). <https://doi.org/10.1007/s10856-015-5626-9>
- Díaz-Rodríguez, L., García-Martínez, O., Arroyo-Morales, M., Rubio-Ruiz, B., dan Ruiz, C., 2010. Effect of acetaminophen (paracetamol) on human osteosarcoma cell line MG63. *Acta Pharmacol. Sin.*, 31(11), pp.1495-1499.
- Dohle, E., El Bagdadi, K., Sader, R., Choukroun, J., James Kirkpatrick, C., dan Ghanaati, S., 2017. Platelet-rich fibrin-based matrices to improve angiogenesis in an in vitro co-culture model for Bone Tissue Engineering. *J Tissue Eng Regen Med*, 12(3), 598–610. <https://doi.org/10.1002/term.2475>

- Fajar, L., Decky, J.I., dan Darmawan, 2016. Pengaruh Iradiasi Sinar Gamma terhadap Permeabilitas Membran Pembalut Luka Kitosan/Kolagen, *J. Tek Biomed Ind*, 2(2):32-36.
- Farshidfar, N., Amiri, M. A., Jafarpour, D., Hamedani, S., Niknezhad, S. V., dan Tayebi, L., 2022. The feasibility of injectable PRF (I-PRF) for bone tissue engineering and its application in oral and maxillofacial reconstruction: From bench to chairside. *Biomaterials Advances*, 134, 112557. <https://doi.org/10.1016/j.msec.2021.112557>
- Fu, J., Yang, F., dan Guo, Z., 2018. The chitosan hidrogels: from structure to function. *New J. Chem*, 42(21), pp.17162-17180.
- Gade, T., Motley, M., Beattie, B., Bhakta, R., Boskey, A., Koutcher, J., dan Mayer-Kuckuk, P., 2011. Imaging of *Alkaline phosphatase* Activity in Bone Tissue. *PLoS ONE*, 6(7), p.e22608.
- Geahchan, S., Baharlouei, P., dan Rahman, A., 2022. Marine Collagen: A Promising Biomaterial for Wound Healing, Skin Anti-Aging, and Bone Regeneration. *Mar. Drugs*, 20(1), p.61.
- Hassan, H., Quinlan, D., dan Ghanem, A., 2020. Injectable platelet-rich fibrin for facial rejuvenation: A prospective, single-center study. *J Cosmet Dermatol*, 19(12), pp.3213-3221.
- Huh, J.-B., Kim, S.-E., Song, S.-K., Yun, M.-J., Shim, J.-S., Lee, J.-Y., dan Shin, S.-W., 2011. The effect of immobilization of heparin and bone morphogenic protein-2 to bovine bone substitute on osteoblast-like Cell's function. *The J Adv Prosthodont*, 3(3), 145. <https://doi.org/10.4047/jap.2011.3.3.145>
- Kaoud, H., 2018. Introductory Chapter: Concepts of Tissue Regeneration. *Tissue Regeneration*, 1(1), pp. 1-9.
- Khan, S., Kong, E., Meiller, T., dan Jabra-Rizk, M., 2015. Periodontal Diseases: Bug Induced, Host Promoted. *PLOS Pathogens*, 11(7), p.e1004952.
- Könönen, E., Gursøy, M., dan Gursøy, U., 2019. Periodontitis: A Multifaceted Disease of Tooth-Supporting Tissues. *J. Clin. Med.*, 8(8), p.1135.
- Kothiwale, S., Bhimani, R., Kaderi, M., Ajbani, J., 2019. Comparative study of DFDBA and FDBA block grafts in combination with chorion membrane for the treatment of periodontal intra-bony defects at 12 months post surgery. *Cell Tissue Banking*. <https://doi.org/10.1007/s10561-018-09744-5>
- Lee, J. H., Shin, Y. C., Jin, O. S., Kang, S. H., Hwang, Y.-S., Park, J.-C., Hong, S. W., dan Han, D.-W. (2015). Reduced graphene oxide-coated hydroxyapatite composites stimulate spontaneous osteogenic differentiation of human mesenchymal stem cells. *Nanoscale*, 7(27), 11642–11651. <https://doi.org/10.1039/c5nr01580d>
- Liang, Y., Luan, X., dan Liu, X., 2020. Recent advances in periodontal regeneration: A biomaterial perspective. *Bioact. Mater.*, 5(2), pp.297-308.

- Luis Muñoz-Carrillo, J., Elizabeth Hernández-Reyes, V., Eduardo García-Huerta, O., Chávez-Ruvalcaba, F., Isabel Chávez-Ruvalcaba, M., Mariana Chávez-Ruvalcaba, K., dan Díaz-Alfaro, L., 2020. Pathogenesis of Periodontal Disease. *Periodontal Disease - Diagnostic, dan Adjunctive Non-surgical Considerations*,.
- Malhotra, N., Kundabala, M., dan Acharya, S., 2009. Current Strategies, and Applications of Tissue Engineering in Dentistry – A Review Part 2. *Dent Update*, 36(10), pp.639-646.
- Mathew-Steiner, S., Roy, S., dan Sen, C., 2021. Collagen in Wound Healing. *Bioeng.*, 8(5), p.63.
- Miron, R., Fujioka-Kobayashi, M., Hernandez, M., Kandalam, U., Zhang, Y., Ghanaati, S., dan Choukroun, J., 2017. Injectable Platelet-Rich fibrin (i-PRF): opportunities in regenerative dentistry?. *Clin Oral Investig*, 21(8), pp.2619-2627.
- Mu, Z., Chen, K., Yuan, S., Li, Y., Huang, Y., Wang, C., Zhang, Y., Liu, W., Luo, W., Liang, P., Li, X., Song, J., Ji, P., Cheng, F., Wang, H., dan Chen, T., 2020. Gelatin Nanoparticle-Injectable Platelet-Rich Fibrin Double Network Hidrogels with Local Adaptability, dan Bioactivity for Enhanced Osteogenesis. *Adv. Healthc. Mater.*, 9(5), p.1901469.
- Nazir, M., Al-Ansari, A., Al-Khalifa, K., Alhareky, M., Gaffar, B., dan Almas, K., 2020. Global Prevalence of Periodontal Disease, dan Lack of Its Surveillance. *Sci. World J.*, 2020, pp.1-8.
- Osidak, E., Osidak, M., Akhmanova, M., dan Domogatskii, S., 2014. Collagen—A biomaterial for delivery of growth factors, and tissue regeneration. *Russ. J. Gen. Chem.*, 84(2), pp.368-378.
- Peers, S., Montembault, A., dan Ladavière, C., 2020. Chitosan hidrogels for sustained drug delivery. *J Control Release*, 326, pp.150-163.
- Qi, J., Yu, T., Hu, B., Wu, H., dan Ouyang, H., 2021. Current Biomaterial-Based Bone Tissue Engineering, dan Translational Medicine. *Int. J. Mol. Sci.*, 22(19), p.10233.
- Sculean, A., Chapple, I., dan Giannobile, W., 2015. Wound models for periodontal, dan bone regeneration: the role of biologic research. *Periodontol. 2000*, 68(1), pp.7-20.
- Shah, R., Thomas, R., Gowda, T. M., Baron, T. K. A., Vemanaradhya, G. G., dan Bhagat, S., 2021. In Vitro Evaluation of Osteoblast Response to the Effect of Injectable Platelet-rich Fibrin Coating on Titanium Disks. *J Contemp Dent Pract*, 22(2), 107–110.
- Si, J., Yang, Y., Xing, X., Yang, F., dan Shan, P., 2019. Controlled degradable chitosan/collagen composite scaffolds for application in nerve tissue regeneration. *Polym. Degrad. Stab.*, 166, pp.73-85.

- Thanasrisuebwong, P., Kiattavorncharoen, S., Surarit, R., Phruksaniyom, C., dan Ruangsawasdi, N., 2020. Red and yellow injectable platelet-rich fibrin demonstrated differential effects on periodontal ligament stem cell proliferation, migration, and osteogenic differentiation. *Int. J. Mol. Sci.*, 21(14), 5153. <https://doi.org/10.3390/ijms21145153>
- Wang, X., Wang, G., Liu, L., dan Zhang, D., 2016. The mechanism of a chitosan-collagen composite film used as biomaterial support for MC3T3-E1 cell differentiation. *Sci. Rep.*, 6(1). <https://doi.org/10.1038/srep39322>
- White, K., Chalaby, R., Lowe, G., Berlin, J., Glackin, C., dan Olabisi, R., 2021. Calcein Binding to Assess Mineralization in Hidrogel Microspheres. *Polymers*, 13(14), p.2274.
- Wilkesmann, S., Westhauser, F., dan Fellenberg, J., 2020. Combined Fluorescence-Based in Vitro Assay for the Simultaneous Detection of Cell Viability, dan *Alkaline phosphatase* Activity during Osteogenic Differentiation of Osteoblast Precursor Cells. *Methods and Protocols*, 3(2), p.30.
- Zhang, Y., Yu, T., Peng, L., Sun, Q., Wei, Y., dan Han, B., 2020. Advancements in Hidrogel-Based Drug Sustained Release Systems for Bone Tissue Engineering. *Front. Pharmacol.*, 11.
- Zhao, R., Yang, R., Cooper, P., Khurshid, Z., Shavandi, A., dan Ratnayake, J., 2021. Bone Grafts, dan Substitutes in Dentistry: A Review of Current Trends, dan Developments. *Molecules*, 26(10), p.3007.