

DAFTAR PUSTAKA

- Anitua, E., Zaiduendo, M., Troya, M., Padilla, S., & Orive, G. (2015). Leukocyte Inclusion within a Platelet Rich Plasma-Derived Fibrin Scaffold Stimulates a More Pro-Inflammatory Environment and Alters Fibrin Properties. *Plos One*, *10*(3), 1-15.
- Blackwood, K. A., Bock, N., Dargaville, T. R., & Woodruff, M. A. (2012). *Scaffolds for Growth Factor Delivery as Applied to Bone Tissue Engineering*.
- Chen, G., Ushida, T., & Tateishi, T. (2002). Scaffold Design for Tissue Engineering. *Macromol Biosci*, 67-77.
- Eppley, B., Woodell, J., & Higgins, J. (2004). Platelet Quantification and Growth Factor Analysis from Platelet-Rich Plasma: Implications for Wound Healing. *American Society of Plastic Surgeons*, 1-9.
- Fogelman, I., Van Der Wall, H. & Gnanasegaran, G., (2012). Radionuclide and Hybrid Bone Imaging. *Radionuclide and Hybrid Bone Imaging*, 1–1046.
- Gartner, L. P., & Hiatt, J. L., (2007). *Buku Ajar Berwarna Histologi*, 3(1). T. D. FKUI, Trans. Elsevier, Jakarta.
- Gulrez, S. K., & Al-Assaf, S. (2010). Hydrogels: Methods of Preparation, Characterisation and Applications. *Progress in Molecular and Environmental Bioengineering - From Analysis and Modeling to Technology Applications*, 117-150.
- Henkel, J., Woodruff, M. A., Epari, D. R., Steck, R., Glatt, V., Dickinson, I. C., . . . Hutmacher, D. W. (2013). Bone Regeneration Based on Tissue Engineering Conceptions – A 21st Century Perspective. *Bone Research*, 216-248
- Hou, R., Chen, F., Yang, Y., Cheng, X., Gao, Z., & Yang, H. O. (2006). Comparative Study Between Coral-Mesenchymal Stem Cells-rhBMP-2 Composite and Auto-Bone-Graft in Rabbit Critical-Sized Cranial Defect Model. *Journal of Biomedical Materials Research Part A*, 84-93
- Hunt, N. C., & Grover, L. M. (2010). Cell encapsulation using biopolymer gels for regenerative medicine. *Biotechnology Letters*, *32*(6), 733–742.
- Indahyani, D. (2008). Peranan Scaffold dalam Bone Tissue Engineering. *Stomatognatic (J.K.G Unej)*, 82-86.

- Jimi, E., Hirata, S., Osawa, K., Terashita, M., Kitamura, C., & Fukushima, H. (2012). The current and future therapies of bone regeneration to repair bone defects. *International Journal of Dentistry*, 2012, 1–8.
- Khan, Y., Yaszemki, J., Mikos, G., & Laurencin, T. (2008). Tissue Engineering of Bone: Material and Matrix Considerations. *The Journal of Bone and Joint Surgery (American)*, 90(1), 36-42.
- Kurita, J., Miyamoto, M., Ishii, Y., Aoyama, J., Takagi, G., Naito, Z., Shimizu, K. (2011). Enhanced vascularization by controlled release of platelet-rich plasma impregnated in biodegradable gelatin hydrogel. *Annals of Thoracic Surgery*, 92(3), 837–844.
- Lee, K. Y., & Mooney, D. J. (2001). Hydrogels for tissue engineering. *Chemical Reviews*, 101(7), 1869–1879.
- Leeson, & Paparo. (1995). *Buku Ajar Histologi*. Jakarta: EGC. 141-155.
- Li, Y., Liu, Y., Li, S., Liang, G., Jiang, C., & Hu, Q. (2015). Novel Control of Gel Fraction and Enhancement of Bonding Strength for Constructing 3D Architecture of Tissue Engineering Scaffold with Alginate Tubular Fiber. *Journal of Bioscience and Bioengineering*, 20 (20) 1-6.
- Li, Z., Ramay, H. R., Hauch, K. D., Xiao, D., & Zhang, M. (2005). Chitosan-Alginate Hybrid Scaffolds for Bone Tissue Engineering. *Biomaterials*, 26(18), 3919–3928.
- Lichtenauer, M., Nickl, S., Hoetzenecker, K., Mangold, A., Moser, B., Zimmermann, M., Ankersmit, H. J. (2009). Phosphate Buffered Saline Containing Calcium and Magnesium Elicits Increased Secretion of Interleukin-1 Receptor Antagonist. *Labmedicine*, 290-293.
- Liu, J., Nie, H., Xu, Z., Guo, F., Guo, S., Yin, J., et al. (2014). The Construction of PRP-Containing Nanofibrous Scaffolds for Controlled Release and Their Application to Cartilage Regeneration. *Journal of Materials Chemistry B*, 1-20.
- McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S. (2006). *Pathophysiology : The Biology Basic for Disease in Adults and Children*. Elsevier.
- Nagasawa, N., Yagi, T., Kume, T., & Yoshii, F. (2004). Radiation Crosslinking of Carboxymethyl Starch. *Carbohydrate Polymers* 58, 109–113.

- O'Brien, F. J. (2011). Biomaterials & scaffolds for tissue engineering. *Materials Today*, 14(3), 88–95.
- Pan, Y., Dong, S., Hao, Y., Chu, T., Li, C., & Zhang, Z. (2010). Demineralized bone matrix gelatin as scaffold for tissue engineering. *Journal of Microbiology*, 4(9), 865–870.
- Patel, H., Bonde, M., & Srinivasan, G. (2011). Biodegradable Polymer Scaffold for Tissue Engineering, 25(1), 20–29.
- Sachlos, E., Sachlos, E., Reis, N., Reis, N., Ainsley, C., Ainsley, C., Czernuszka, T. (2003). Novel collagen scaffolds with prede ned internal morphology made by solid freeform fabrication. *Tissue Engineering*, 24, 1487–1497.
- Sadeghi-Ataabadi, M., Mostafavi-pour, Z., Vojdani, Z., Sani, M., Latifi, M., & Talaei-Khozani, T. (2016). Fabrication and Characterization of Platelet-Rich Plasma Scaffolds for Tissue Engineering Applications. *Materials Science & Engineering*, 1-41.
- Sánchez, M., & Andia, I. (2012). Platelet Rich Plasma (PRP) Biotechnology: Concepts and Therapeutic Applications in Orthopedics and Sports Medicine. *Innovations in Biotechnology*, 114–138.
- Sánchez-González, D. J., Méndez-Bolaina, E., & Trejo-Bahena, N. I. (2012). Platelet-Rich Plasma Peptides: Key for Regeneration. *International Journal of Peptides*, 1-10.
- Sarvazyan, N., Koruga, D., Jeremic, A., Jena, B., Mijailovich, S., Stamenovic, D., et al. (2012). *Cell and Tissue Engineering*. Berlin: springer.
- Schieker, M., Seitz, H., Drosse, I., Seitz, S., & Mutschler, W. (2006). Biomaterials as Scaffold for Bone Tissue Engineering. *European Journal of Trauma*, 114-124.
- Shimojo, A. A. M., Perez, A. G. M., Galdames, S. E. M., Brissac, I. C. D. S., & Santana, M. H. A. (2015). Performance of PRP associated with porous chitosan as a composite scaffold for regenerative medicine. *Scientific World Journal*, 2015, 1-13.
- Tabata, Y. (2003). Tissue Regeneration Based on Drug Delivery Technology. *Topics in Tissue Engineering*, 1-32.
- Tozum, T., & Demiralp, B. (2003). Platelet-Rich Plasma: A Promising Innovation in Dentistry. *Journal of The Canadian Dental Association*, 1-13

- Wahyudi, I. A., & Nurwadji, L. M. (2014). The Effect of Non Freeze-dried Hydrogel-CHA on Fibroblast Proliferation. *Journal Of Dentistry Indonesia* , 89–93.
- Wattanuchariya, W., & Changkowchai, W. (2014). Characterization of Porous Scaffold from Chitosan - Gelatin / Hydroxyapatite for Bone Grafting, *Proceedings of the International Multi Conference of Engineers and Computer Scientists*, 1-5.
- Wu, L., & Ding, J. (2004). In Vitro Degradation of Three-Dimensional Porous Poly (d , l -lactide- co - glycolide) Scaffolds for Tissue Engineering. *Journal of Biomedical Materials Research*, 75 (4), 5821–5830.
- Zhang, D.-k., Wang, D.-g., Duan, J.-j., & Ge, S.-r. (2009). Research on the Long Time Swelling Properties of Poly (vinyl alcohol)/ Hydroxylapatite Composite Hydrogel. *Journal of Bionic Engineering*, 22-28.