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DAFTAR PUSTAKA

Alkhalil, M., Smajilagi, A., & Red, A. (2015). Human dental pulp mesenchymal stem cells isolation and osteoblast differentiation. *Medicinski Glasnik*, *12*(1), 27–32.

Anitua, E., Troya, M., & Zalduendo, M. (2018). Progress in the use of dental pulp stem cells in regenerative medicine. *Cytotherapy*, *20*(4), 479–498.

Anonim, 2018, Stem cells in dentistry, https://nbscience.com/stem-cells-in-dentistry/. Anonim, 2018, Genome research limited https://www.yourgenome.org/facts/what-is-a-stem-cell.

Anonim, 2018, Genome research limited, https://www.your genome.org/facts/what-is-a-stem-cells.

Burnouf, T., Goubran, H. A., Chen, T. M., Ou, K. L., El-Ekiaby, M., & Radosevic, M. (2013). Blood-derived biomaterials and platelet growth factors in regenerative medicine. *Blood Reviews*, *27*(2), 77–89.

Bose, S., Vahabzadeh, S., & Bandyopadhyay, A. (2013). Bone tissue engineering using 3D printing. *Materials Today*.

Burnouf, T., Goubran, H. A., Chen, T. M., Ou, K. L., El-Ekiaby, M., & Radosevic, M. (2013). Blood-derived biomaterials and platelet growth factors in regenerative medicine. *Blood Reviews*, *27*(2), 77–89.

Cedervall, J., & Olsson, A. K. (2012). Platelet regulation of angiogenesis, tumor growth and metastasis. *Tumor Angiogenesis*, (June 2014).

Chamieh, F., Collignon, A. M., Coyac, B. R., Lesieur, J., Ribes, S., Sadoine, J., Rochefort, G. Y. (2016). Accelerated craniofacial bone regeneration through dense collagen gel scaffolds seeded with dental pulp stem cells. *Scientific Reports*, *6*(December), 1–11.

Chieruzzi, M., Pagano, S., Moretti, S., Pinna, R., Milia, E., Torre, L., & Eramo, S. (2016). Nanomaterials for Tissue Engineering In Dentistry. *Nanomaterials*, *6*(7), 134.

Choukroun J, Adda F, Schoeffler C, Vervelle A. Une opportunité en paro-implantologie: Le PRF. Implantodontie. 2001; 42:55–62.

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Conde, M.C.M., Demarco, F.F., Casagrande, L., Alcazar, J.C., Nor, J.E., Tarquino, S.B.C., 2015, Influence of poly-L-lactic acid scaffold's pore size on the proliferation and differentiation of dental pulp stem cells, *Braz Dent J*, 26(2):93-98.

Cortese, A., Pantaleo, G., Borri, A., Caggiano, M., & Amato, M. (2016). Platelet-rich fibrin (PRF) in implant dentistry in combination with new bone regenerative technique in elderly patients. *International Journal of Surgery Case Reports*, *28*, 52–56. https://doi.org/10.1016/j.ijscr.2016.09.022

Dimitriou, R., Jones, E., McGonagle, D., & Giannoudis, P. V. (2011). Bone regeneration: Current concepts and future directions. *BMC Medicine*, *9*(1), 66.

Dohan, D.M., Joseph Choukroun, J., Diss, A., Dohan, A.J.J., Mouhyi, J., Gogly B. (2006). Platelet-rich fibrin (PRF): A second-generation platelet concentrate. Part I: Technological concepts and evolution. *J. oral Surg Oral Med Oral Path Oral Rad*, 101 (3), 37–44.

Egusa, H., Sonoyama, W., Nishimura, M., Atsuta, I., & Akiyama, K. (2012). Stem cells in dentistry - Part I: Stem cell sources. *Journal of Prosthodontic Research*, *56*(3), 151–165.

Fernández-Delgado N, Hernández-Ramírez P and Forrellat-Barrios M. Platelet functional spectrum: from hemostasis to regenerative medicine. Rev Cubana Hematol Inmunol He-moter 2012; 28: 200-216

Gasser and kneissel, , S. E. E. (2017). *Bone Toxicology*. https://doi.org/10.1007/978-3-319-56192-9

Gassling V, Hedderich J, Açil Y, Purcz N, Wiltfang J, Douglas T. Comparison of platelet rich fibrin and collagen as osteoblast-seeded scaffolds for bone tissue engineering applications. Clin Oral Implants Res. 2013; 24:320–8. Gronthos, S., Mankani, M., Brahim, J., Robey, P. G., & Shi, S. (2000).

Gonmanee, T., Thonabulsombat, C., Vongsavan, K., & Sritanaudomchai, H. (2018). Differentiation of stem cells from human deciduous and permanent teeth into spiral ganglion neuron-like cells. *Archives of Oral Biology*, *88*(October 2017), 34–41.

Gronthos S., Arthur A., Bartold P., Shi S., *A method to isolate and culture expand human dental pulp stem cells*. Mesenchymal Stem Cell Assays and Applications, 107-121

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Pengaruh penggunaan bahan rekayasa jaringan terhadap peningkatan regenerasi tulang alveolar sebagai perawatan pre-prostodontik
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Ingulli, E. (2010). Mechanism of cellular rejection in transplantation. *Pediatric Nephrology*, *25*(1), 61–74.

Katagiri, W., Osugi, M., Kawai, T., & Hibi, H. (2016). First-in-human study and clinical case reports of the alveolar bone regeneration with the secretome from human mesenchymal stem cells. *Head and Face Medicine*, *12*(1), 1–10.

Kawai, K., Uchiyama, M., Hester, J., Wood, K., & Issa, F. (2018). Human Immunology Regulatory T cells for tolerance. *Human Immunology*, *79*(5), 294–303.

Khan, F., & Tanaka, M. (2018). Designing smart biomaterials for tissue engineering. *International Journal of Molecular Sciences*, *19*(1), 1–14.

Kitraki, E., Zakkas, S., Synolaki, E., Diamanti, E., Tiniakos, D.G., Stamatakis, A., Matsioula, C., Stylianopoulou, F., Papapolychroniou, T., 2014, Dental pulp cells enhance bone healing in a rat osteotomy model, *Ann Orthop Rheumatol*, 2(1): 1009

Kobayashi, E., Flückiger, L., Kobayashi, M., Sawada, K., Sculean, A., Schaller B., Miron, R. (2016), Comparative release of growth factors from PRP, PRF, and advenaced-PRF. Clin.Oral Invest, 20, (9), 2353-2360.

Koyama, N., Okubo, Y., Nakao, K., & Bessho, K. (2009). Evaluation of Pluripotency in Human Dental Pulp Cells. *Journal of Oral and Maxillofacial Surgery*, *67*(3), 501–506.

Lee, J.-H., Um, S., Song, I.-S., Kim, H. Y., & Seo, B. M. (2014). Neurogenic differentiation of human dental stem cells in vitro. *Journal of the Korean Association of Oral and Maxillofacial Surgeons*, *40*(4), 173–80.

La Noce, M., Paino, F., Spina, A., Naddeo, P., Montella, R., Desiderio, V., Laino, L. (2014). Dental pulp stem cells: State of the art and suggestions for a true translation of research into therapy. *Journal of Dentistry*, *42*(7), 761–768.

Masuki, H., Okudera, T., Watanebe, T., Suzuki, M., Nishiyama, K., Okudera, H., Kawase, T. (2016). Growth factor and pro-inflammatory cytokine contents in platelet-rich plasma (PRP), plasma rich in growth factors (PRGF), advanced platelet-rich fibrin (A-PRF), and concentrated growth factors (CGF). *International Journal of Implant Dentistry*, *2*(1), 19.

UNIVERSITAS GADJAH MADA
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Matthew I.R., 2007, Surgical aids to prosthodontics, including osseointegrated implants. Dalam Pedlar, J and Frame J.W.*Oral and Maxillofacial Surgery,* 2nd ed, Elsivier Ltd., pp.145-165.

Naik, B., karanukar, P., Jayadev, M., Rahul Marshal, V. (2013). Role of platelet rich fibrin in wound healing: a critical review. J. Conserv Dent. 16(4): 284-293.

Jayadev, M., Marshal, Vr., Naik, B., & Karunakar, P. (2013). Role of Platelet rich fibrin in wound healing: A critical review. *Journal of Conservative Dentistry*, *16*(4), 284. https://doi.org/10.4103/0972-0707.114344

Nakao, K., & Tsuji, T. (2008). Dental regenerative therapy: Stem cell transplantation and bioengineered tooth replacement. *Japanese Dental Science Review*, *44*(1), 70–75.

Noori, A., Ashrafi, S. J., Vaez-Ghaemi, R., Hatamian-Zaremi, A., & Webster, T. J. (2017). IJN-124671-a-review-of-fibrin-and-fibrin-nano-composites-for-bone-tissu. *International Journal of Nanomedicine*, 12–4937.

Oshima, M., Ogawa, M., & Tsuji, T. (2017). Regeneration of complex oral organs using 3D cell organization technology. *Current Opinion in Cell Biology*, *49*, 84–90.

Panda, S., Jayakumar, N., Sankari, M., Varghese, S., & Kumar, Ds. (2014). Platelet rich fibrin and xenograft in treatment of intrabony defect. *Contemporary Clinical Dentistry*, *5*(4), 550.

Padial-Molina, M., O'Valle, F., Lanis, A., Mesa, F., Dohan Ehrenfest, D. M., Wang, H. L., & Galindo-Moreno, P. (2015). Clinical application of mesenchymal stem cells and novel supportive therapies for oral bone regeneration. *BioMed Research International*, *2015*.

Petridis, X., Diamanti, E., Trigas, G. C., Kalyvas, D., & Kitraki, E. (2015). Bone regeneration in critical-size calvarial defects using human dental pulp cells in an extracellular matrix-based scaffold. *Journal of Cranio-Maxillofacial Surgery*, *43*(4), 483–490.

Preeja, C., & Arun, S. (2014). Platelet-rich fibrin: Its role in periodontal regeneration. *Saudi Journal for Dental Research*, *5*(2), 117–122.

Reddy, R., & Reddy, N. (2018). Biomimetic approaches for tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, *23*(5), 480–493.

UNIVERSITAS GADJAH MADA
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Universitas Gadjah Mada, 2019 | Diunduh dari http://etd.repository.ugm.ac.id/

Rohanizadeh, R., Swain, M. V., & Mason, R. S. (2008). Gelatin sponges (Gelfoam®) as a scaffold for osteoblasts. *Journal of Materials Science: Materials in Medicine*, *19*(3), 1173–1182.

Schnutenhaus, S., Doering, I., Dreyhaupt, J., Rudolph, H., & Luthardt, R. G. (2018). Alveolar ridge preservation with a collagen material: A randomized controlled trial. *Journal of Periodontal and Implant Science*, *48*(4), 236–250.

Shakya, A. K., & Kandalam, U. (2017). Three-dimensional macroporous materials for tissue engineering of craniofacial bone. *British Journal of Oral and Maxillofacial Surgery*, *55*(9), 875–891.

Sheikh, Z., Sima, C., & Glogauer, M. (2015). Bone replacement materials and techniques used for achieving vertical alveolar bone augmentation. *Materials*, *8*(6), 2953–2993.

Shuai, C., Feng, P., Zhang, L., Gao, C., Hu, H., Peng, S., & Min, A. (2013). Correlation between properties and microstructure of laser sintered porous β-tricalcium phosphate bone scaffolds. *Science and Technology of Advanced Materials*, *14*(5).

Shrivats, A. R., McDermott, M. C., & Hollinger, J. O. (2014). Bone tissue engineering: State of the union. *Drug Discovery Today*, *19*(6), 781–786.

Su, C. Y., Kuo, Y. P., Tseng, Y. H., Su, C. H., & Burnouf, T. (2009). In vitro release of growth factors from platelet-rich fibrin (PRF): a proposal to optimize the clinical applications of PRF. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology*, *108*(1), 56–61.

Spath L, Rotilio V, Alessandrini M, Gambara G, De Angelis L, Mancini M, Mitsiadis TA, Vivarelli E, Naro F, Filippini A, Papaccio G (2009), Explant-derived human dental pulp stem cells enhance differentiation and proliferation potentials. J Cell Mol Med.14(6B):1635-44.

Tan, W. L., Wong, T. L. T., Wong, M. C. M., & Lang, N. P. (2012). A systematic review of post-extractional alveolar hard and soft tissue dimensional changes in humans. *Clinical Oral Implants Research*, *23*(SUPPL. 5), 1–21.

Van Nieuwenhove, I., Salamon, A., Adam, S., Dubruel, P., Van Vlierberghe, S., & Peters, K. (2017). Gelatin- and starch-based hydrogels. Part B: In vitro mesenchymal stem cell behavior on the hydrogels. *Carbohydrate Polymers*, *161*, 295–305.

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GADJAH MADA
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Universitas Gadjah Mada, 2019 | Diunduh dari http://etd.repository.ugm.ac.id/

Vieira, S., Vial, S., Reis, R. L., & Oliveira, J. M. (2017). Nanoparticles for bone tissue engineering. *Biotechnology Progress*, *33*(3), 590–611. https://doi.org/10.1002/btpr.2469

Whitman H., Berry L.R., David M.D., (1997). Platelet gel: An autologous alternative to fibrin glue with applications in oral and maxillofacial surgery**.** *J. of Oral and Maxillofacial Surgery***,** 55(11), 1294-1299.

Xue, D., Zhang, W., Chen, E., Gao, X., Liu, L., Ye, C., Li, H. (2017). Local delivery of HMGB1 in gelatin sponge scaffolds combined with mesenchymal stem cell sheets to accelerate fracture healing. *Oncotarget*, *8*(26). https://doi.org/10.18632/oncotarget.16887

Yang, G., Xiao, Z., Long, H., Ma, K., Zhang, J., Ren, X., & Zhang, J. (2018). Assessment of the characteristics and biocompatibility of gelatin sponge scaffolds prepared by various crosslinking methods. *Scientific Reports*, *8*(1), 1–13.

Yasui, T., Mabuchi, Y., Morikawa, S., Onizawa, K., Akazawa, C., Nakagawa, T., Matsuzaki, Y. (2017). Isolation of dental pulp stem cells with high osteogenic potential. *Inflammation and Regeneration*, *37*(1), 8.

Yu, J., Zhao, W., Lu, J., Hao, Y., Lv, C., Cao, C., Zou, D., 2016, Platelet rich fibrin as a scaffold in combination with either deciduous or permanent dental pulp cells for bone tissue engineering, *Int J Clin Exp Med*, 9(8):15177-15184.

Zumarán, C. C., Parra, M. V., Olate, S. A., Fernández, E. G., Muñoz, F. T., & Haidar, Z. S. (2018). The 3 R's for platelet-rich fibrin: A "super" tri-dimensional biomaterial for contemporary naturally-guided oro-maxillo-facial soft and hard tissue repair, reconstruction and regeneration. *Materials*, *11*(8).