DAFTAR PUSTAKA

A., J., Narvez-Ledesma, L., Cern-Torres, L., P., A., Lpez-Guilln, D., Laura, M. and A., J. (2013). Bone Engineering: A Matter of Cells, Growth Factors and Biomaterials. *Regenerative Medicine and Tissue Engineering.*

Azzi, A., Ricciarelli, R. and Zingg, J. (2002). Non-antioxidant molecular functions of α-tocopherol (vitamin E). *FEBS Letters*, 519(1-3), pp.8-10.

Barnes, G., Kostenuik, P., Gerstenfeld, L. and Einhorn, T. (1999). Growth Factor Regulation of Fracture Repair. *Journal of Bone and Mineral Research*, 14(11), pp.1805-1815.

Baydowi G. (2014). Pengaruh suplementasi *alpha tocopherol* terhadap viabilitas bone marrow mesenchymal stem cell. *Karya Tulis Akhir. FKG Unair. Surabaya.*

Borhanuddin, B., Mohd Fozi, N. and Naina Mohamed, I. (2012). Vitamin E and the Healing of Bone Fracture: The Current State of Evidence. *Evidence-Based Complementary and Alternative Medicine*, 2012, pp.1-26.

Castellini, C., Mourvaki, E., Dal Bosco, A. and Galli, F. (2007). Vitamin E Biochemistry and Function: A Case Study in Male Rabbit. *Reprod Domest Anim*, 42(3), pp.248-256.

Colombo, M. (2010). An Update on Vitamin E, Tocopherol and Tocotrienol—Perspectives.*Molecules*, 15(4), pp.2103-2113.

Crha, M., Nečas, A., Srnec, R., Janovec, J., Stehlík, L., Raušer, P., Urbanová, L., Plánka, L., Jančář, J. and Amler, E. (2009). Mesenchymal Stem Cells in Bone Tissue Regeneration and Application to Bone Healing. *Acta Veterinaria Brno*, 78(4), pp.635-642.

Deschaseaux, F., Sensébé, L. and Heymann, D. (2009). Mechanisms of bone repair and regeneration. *Trends in Molecular Medicine*, 15(9), pp.417-429.

Dimitriou, R., Tsiridis, E. and Giannoudis, P. (2005). Current concepts of molecular aspects of bone healing. *Injury*, 36(12), pp.1392-1404.

Donovan, J. (2013). Platelet-derived growth factor signaling in mesenchymal cells. *Front Biosci*, 18(1), p.106.

Elsalanty, M. and Genecov, D. (2009). Bone Grafts in Craniofacial Surgery. *Cranial Maxillofac Trauma Reconstruction*, 2(03), pp.125-134.

Ferdiansyah., Djoko Rushadi., Fedik Abdul Rantam., Aulani'am. (2011). Regenerasi pada Massive Bone Defect dengan Bovine Hydroxyapatite sebagai Scaffold Mesenchymal Stem Cell (Regeneration of Massive Bone Defect with Bovine Hydroxyapatite as Scaffold of Mesenchymal Stem Cells). *JBP*, 13(3), pp.179-195.

Galli , Francesco., Aisa Maria Chritina, Anneti Claudie, Floridi Ardesio., Vitamin e and cell signalling in *The Encyclopedia of Vitamin E.* eds. Preedy, Victor R and Ronald Ross Watson. CABI. pp 365-380 .

Gidado, S., Khan, WS., Marsh, D R. 2009. The effect of change in oxygen tension during fracture repair on mesenchymal stem cell and bone activities. *Current Research Journal of Biological Sciences* 1 (1): 7-10.

Gresele, P. (2002). *Platelets in thrombotic and non-thrombotic disorders*. Nambridge, U.K.: Nambridge University Press.

Heldin, C. and Westermark, B. (1990). Platelet-derived growth factor: mechanism of action and possible in vivo function. *Molecular Biology of the Cell*, 1(8), pp.555-566.

Irwin, D., McCord, J., Nozik-Grayck, E., Beckly, G., Foreman, B., Sullivan, T., White, M., T. Crossno, J., Bailey, D., Flores, S., Majka, S., Klemm, D. and Tissot van Patot, M. (2009). A potential role for reactive oxygen species and the HIF-1α–VEGF pathway in hypoxia-induced pulmonary vascular leak. *Free Radical Biology and Medicine*, 47(1), pp.55-61.

Kalbemed.com, (2015). *Efektivitas Rekombinan Human PDGF untuk Ulkus Kaki Diabetes > Kalbe Medical Portal*. [online] Available at: http://www.kalbemed.com/News/tabid/229/id/18073/Efektivitas-Rekombinan-Human-PDGF-untuk-Ulkus-Kaki-Diabetes.aspx [Accessed 3 Jul. 2015].

Kanczler, J. and Oreffo, R. (2008). OSTEOGENESIS AND ANGIOGENESIS: THE POTENTIAL FOR ENGINEERING. *European Cell and Materials*, 15, pp.100-114.

Kark, L., Karp, J. and Davies, J. (2006). Platelet releasate increases the proliferation and migration of bone marrow-derived cells cultured under osteogenic conditions. *Clinical Oral Implants Research*, 17(3), pp.321-327.

Lieberman, Jay. R., Daluski, Aaron., Einhorn, Thomas A. 2002. Current Concepts Review: The role of Growth Factors in the Repai of Bone. *Journal of Bone & Joint surgery*., vol 84. no. 6. pp. 1032-1044

Lu, C., Xing, Z., Wang, X., Mao, J., Marcucio, R. and Miclau, T. (2012). Anti-inflammatory treatment increases angiogenesis during early fracture healing. *Arch Orthop Trauma Surg*, 132(8), pp.1205-1213.

Mehta, M., Schmidt-Bleek, K., Duda, G. and Mooney, D. (2012). Biomaterial delivery of morphogens to mimic the natural healing cascade in bone. *Advanced Drug Delivery Reviews*, 64(12), pp.1257-1276.

Miyazawa, T., Inokuchi, H., Hirokane, H., Tsuzuki, T., Nakagawa, K. and Igarashi, M. (2004). Anti-angiogenic Potential of Tocotrienol in vitro. *Biochemistry (Moscow)*, 69(1), pp.67-69.

Movahed, Reza, DMD, Lecio, P, Pinto, DDS, PhD, Carlos Morales-Ryan, DDS, MSD, Will R. Allen, DDS, and Larry M. Wolford, DMD. 2013. Application of cranial bone grafts for reconstruction of maxillofacial deformities. *Baylor University Medical Center Proceedings*. 26(3): 252–255

Newton, C. and Nunamaker, D. (1985). *Textbook of small animal orthopaedics*. Philadelphia: Lippincott.

Nogueira-Pedro, A., Barbosa, C., Segreto, H., Lungato, L., D'Almeida, V., Moraes, A., Miranda, A., Paredes-Gamero, E. and Ferreira, A. (2011). -Tocopherol induces hematopoietic stem/progenitor cell expansion and ERK1/2-mediated differentiation. *Journal of Leukocyte Biology*, 90(6), pp.1111-1117.

Old.sinobiological.com, (2015). *Platelet-derived Growth Factor (PDGF) Signaling Pathway*. [online] Available at: http://old.sinobiological.com/Platelet-derived-Growth-Factor-PDGF-Signaling-Pathway-a-6630.html [Accessed 3 Jul. 2015].

Oppenheimer, A., Tong, L. and Buchman, S. (2008). Craniofacial Bone Grafting: Wolff's Law Revisited. *Cranial Maxillofac Trauma Reconstruction*, 01(01), pp.049-061.

Oryan, A., Alidadi, S., Moshiri, A. and Maffulli, N. (2014). Bone regenerative medicine: classic options, novel strategies, and future directions. *J Orthop Surg Res*, 9(1), p.18.

Pagni, G., Kaigler, D., Rasperini, G., Avila-Ortiz, G., Bartel, R. and Giannobile, W. (2012). Bone repair cells for craniofacial regeneration. *Advanced Drug Delivery Reviews*, 64(12), pp.1310-1319.

Portal-Núñez,, S., Lozano, D. and Esbrit, P. (2015). *Histol Histopathol, Vol 27, Portal-Nuñez et al.*. [online] Hh.um.es. Available at: http://www.hh.um.es/Abstracts/Vol_27/27_5/27_5_559.htm [Accessed 4 Aug. 2015].

Pramono, C. 2011. Minervamedica.it, (2015). *Mandibular reconstruction using non-vascularized autogenous bone graft applied in decorticated cortical bone - Italian Journal of Maxillofacial Surgery 2011 April;22(1):47-56 - Minerva Medica - Journals*.

Qiagen.com, (2015). *QIAGEN - GeneGlobe Pathways - PDGF Pathway*. [online] Available at:https://www.qiagen.com/id/products/genes%20and%20pathways/pathway%20details.aspx?pwid=352 [Accessed 3 Jul. 2015].

Ricciarelli, R. (2001). Vitamin E: protective role of a Janus molecule. *The FASEB Journal*, 15(13), pp.2314-2325.

Stosic, S. (2008). Mandibular reconstruction: State of the art and perspectives. *Vojnosanitetski pregled*, 65 (5), pp. 397-403.

Westermark, B. and Heldin, C. (1993). Platelet-Derived Growth Factor Structure, function and implications in normal and malignant cell growth. *Acta Oncol*, 32(2), pp.101-105.

Wheaton, W. and Chandel, N. (2010). Hypoxia. 2. Hypoxia regulates cellular metabolism. *AJP: Cell Physiology*, 300(3), pp.C385-C393.

Wojcik, M., Burzynska-Pedziwiatr, I. and Wozniak, L. (2010). A Review of Natural and Synthetic Antioxidants Important for Health and Longevity. *Current Medicinal Chemistry*, 17(28), pp.3262-3288.

Zhang, X., Awad, H., O'Keefe, R., Guldberg, R. and Schwarz, E. (2008). A Perspective: Engineering Periosteum for Structural Bone Graft Healing. *Clin Orthop Relat Res*, 466(8), pp.1777-1787.

Zhou, J. and Dong, J. (2012). Vascularization in the Bone Repair. *Osteogenesis*.

Zhubika, Zhara Vida. (2014). Pengaruh pemberian ekstrak etanol kakao (*theobroma cacao*) terhadap jumlah sel osteoblas pada pemeriksaan histopatologi jaringan tulang tikus wistar jantan model fraktur tulang, *Skripsi*, Fakultas Kedokteran Jember, Jember

Zingg, J. (2007). Modulation of signal transduction by vitamin E. *Molecular Aspects of Medicine*, 28(5-6), pp.481-506.