

### DAFTAR PUSTAKA

- Akiyama, T. 2000. *Wnt/beta-batenin signaling* . 11 (4), 273-283.
- Andarwulan, N., dan Koswara, S. 1992. *Kimia Vitamin*. Jakarta: Rajawali Press. Hal. 23-44.
- Asih, I. 2009. Isolasi dan Identifikasi Senyawa Isoflavon dari Kacang Kedelai (*Glycine max*), *Jurnal Kimia*, 3 (1), 33-40.
- Baron, R., 19-09-06, *Anatomy and Ultrastructure of Bone – Histogenesis, Growth and Remodelling*. Dipetik Juli 11, 2016, dari NCBI: <http://www.ncbi.nlm.nih.gov/books/NBK279149/>
- Bodine PV, Komm BS. 2006. *Wnt Signaling and Osteoblastogenesis. Reviews in Endocrine and Metabolic Disorder* 7: 33-9.
- Bongso, A., Lee, E. H. 2005. *Stem cells: their definition, classification and sources. Stem Cells: From Benchtop to Bedside* .
- Bord, S., Horner, A., Beavan, S., & Compston, J. 2001. *Estrogen Receptors and Are Differentially Expressed in Developing Human Bone* (Vol. 86). U.S.A: The Journal of Clinical Endocrinology & Metabolism.
- Buchholz, R., & Heckman, J. 2016. *Rockwood & Green's Fractures in Adults*, 6th Edition.
- Cahyadi, W. 2006. *Kedelai Khasiat dan Teknologi*. Bandung: Bumi Aksara.
- Compston, J. 2001. *Sex steroids and bone. Physiol.*
- Davison, S., & S. R. Davis. 2003. *Hormone replacement therapy: Current controversies*. hal. 249-261.
- Deftos, *Calcium and Phosphate Homeostasis*. Dipetik Juli 11, 2016, <http://www.endotext.org>
- Dewell, A., Hollenbeck, C., & Bruce, B. 2002. *The Effects of Soy-Derived Phytoestrogens on Serum Lipids and Lipoproteins in Moderately Hypercholesterolemic Postmenopausal Women. The Journal of Clinical Endocrinology & Metabolism* , 87 (1), 118-121.
- Djuwita, I., Pratiwi, I. A., Winarto, A., & Sabri, M. 2012. Proliferasi dan Diferensiasi Sel Tulang Tikus dalam Medium Kultur In Vitro yang Mengandung Ekstrak Batang *Cissus quadrangula Salisb.* (Sipatah-patah), 6, hal. 76.

- Ducy P. 2000. CBFA1: *A Molecular Switch on Osteoblast Biology*. *Developmental Dynamics* 219(4): 461-471.
- Filipovic B, Jurjevic. 2013. *The Phytoestrogens, Calcitonin and Thyroid Hormones: Effects of Bone Tissue*. Serbia: University of Belgrade. Pp: 736.
- Halim, D., Murti, H., Sandra, F., Boediiono, A., Djuwantono, T., & Setiawan, B., 2010, *Stem Cell: Dasar Teori & Aplikasi Klinis*. Jakarta: Erlangga.
- Hastono, Sutanto. 2007. *Analisa Data Kesehatan*. Jakarta: Universitas Indonesia
- Heim M, Frank O, Kampmann G, Sochocky N, Pennimpede T, Fuchs P, Hunziker W, Weber P, Martin I, Bendik I. 2004. *The Fhytoestrogen Genistein Enhances Osteogenesis and Repress Adipogenic Differentiation of Human Primary Bone Marrow Stromal Cells*. *Endocrinology* 145(2): 848-859
- Hidayat, Meilinah., Kurnia, Dikdik., Sujatno, Muchtan., Sutadipura, Nugraha., Setiawan., 2010, Perbandingan Kandungan Makronutrisi Dan Isoflavon Dari Kedelai Detam 1 Dan Wilis Serta Potensinya Dalam Menurunkan Berat Badan. Bionatura
- Hill, P., Tumbler, A., & Meikle, M., 1997, *Multiple extracellular signals promote osteoblast survival and apoptosis*. *Endocrinology* , 3849-3858.
- Hongxiu, Ning., Guiting, Lin., Tom F, Lue., Lin, Ching-Shwun, *Mesenchymal Stem Cell Marker Stro-1 is a 75kd Endothelial Antigen*, *Biochem Biophys Res Commun* (2011). San Francisco
- Jainu, J., & Devi, C., 2006, *Gastroprotective effect of Cissus quadrangularis extract in rats with experimentally induced ulcer*. *Indian J. Med. Res* , 123, 799-806.
- Kern, S., Eichler, H., Stoeve, J., Kluter, H., & Bieback, K., 2006, *Comparative analysis of mesenchymal stem cells from bone marrow, umbilical cord blood, or adipose tissue*. *Stem Cells*. hal. 1294–1301.
- Ketaren, S. 1986. *Pengantar Teknologi Minyak dan Lemak Pangan*. Jakarta: UI-Press
- Kim, H., Peterson, T., & Barnes, S., 1998, *Mechanisms of action of the soy isoflavone genistein: Emerging role for its effects via transforming growth factor  $\beta$  signaling pathways*. *Am. J. Clin* , 68, 1418S-25S.
- Li, B., Pattenden, SG., Lee, D., Gutierrez J., Chen J., Seidel C., Gerton J., Workman JL. 2005. *Preferential occupancy of histone variant H2AZ at inactive promoters influences local histone modifications and chromatin remodeling*. *Proc Natl Acad Sci U S A* 102(51):18385-90

- Manolagas, S. 2000. *Birth and death of bone cells; basic regulatory mechanisms and implications for the pathogenesis and treatment of osteoporosis* (Vol. 2). Endocrine Review.
- Mescher, A. 2011. *Histologi Dasar* JUNQUEIRA Teks & Atlas, Ed. 12. Jakarta: EGC.
- Messague, J. 1998. *TGF- $\beta$  signal transduction*. *Annu. Rev. Biochem* , 67, 753-91.
- Murray, R., Rodwell, V., Bender, D., Botham, K., Weil, P., & Kennelly, P. 2009. *Hormone Action And Signal Transduction in Harper's Illustrated Biochemistry* (Vol. 28). Mc Graw Hill.
- Muthusami, S., K. Senthilkumar, C. Vignesh, R. Ilangovan, J. Stanley, N. Selvamurugan, et al. 2011. *Effects of Cissus quadrangularis on the proliferation, differentiation and matrix mineralization of human osteoblast like SaOS-2 cells*. 112, hal. 1035-1045.
- Ohashi T, Kusuhara S, Ishida K. 1991. *Estrogen Target Cells during the Early Stage of Medullary Bone Osteogenesis: Immunohistochemical Detection of Estrogen Receptors in Osteogenic Cells of Estrogen Treated Male Japanese Quail*. *Calcified Tissue International* 49: 124-127.
- Potu, B., Bhat Kumar, M., Rao, M., Nampurath, G., Chamallamudi, M., Nayak, S., et al.. 2009. *Petroleum ether extract of Cissus quadrangularis (Linn.) enhances bone marrow mesenchymal stem cell proliferation and facilitates osteoblastogenesis*. *Clinical Science* , 64 (10), 993-8.
- Pradel, W., Mai, R., Gedrange, T., & Lauer, G. 2008. *Cell passage and composition of culture medium effects proliferation and differentiation of human osteoblast-like cells from facial bone*. *J. Physiol. Pharmacol* , 59 (5), 47-58.
- Prawiroharsono. 1998. Desember, Benarkah Tempe Sebagai Anti Kanker. *Jurnal Kedokteran dan Farmasi Medika*.
- Qin H, Lu HH, Wu WB, Li WH. 2003. Evolution of the yeast protein interaction network. *Proc Natl Acad Sci U S A* 100(22):12820-4
- Rachman, I., Baziad, A., Jacob, T., & Isbagio, H. 1996. Pengobatan estrogen dan progesterone pada osteoporosis pascamenopause. *Majalah Osbtetri dan Ginekologi Indonesia* , 20 (2), 121-127.
- Radji, M. 2010. *Buku Ajar Mikrobiologi : Panduan Mahasiswa Farmasi & Kedokteran*. Jakarta: Buku Kedokteran EGC.

- Ramelia, M. 2014. Faktor-Faktor yang Mempengaruhi Proliferasi dan Diferensiasi MSC (*Mesenchymal Stem Cell*) menjadi Sel Kondrosit untuk Pengembangan Terapi Sel Tulang Rawan. 21, 945-947.
- Sardjono, C., Frisca, Prawiro, W., Setiawan, B., & Sandra, F. 2009. The secrets of Stem cell therapy for myocardial infarction. 36, hal. 177.
- Schuleri, K., Amado, L., Boyle, A., Centola, M., Salaris, A., Gutman, M., et al. 2007. Early improvement in cardiac tissue perfusion due to *mesenchymal stem cells*. 294, hal. 2008-2010.
- Shirwaikar, A.N., S. Khan, & S. Malini. 2013. Antiosteoporotic effect of ethanol extract of *Cissus quadrangularis* Linn. on ovariectomized rat .
- Smith, A., & Circle, S. 1978. Soybeans Chemistry and Technology. The AVI .
- Snyder, A., & Kwon, W. 1987. Soybean Utilization. Newyork: van Nostrad Reinhold company.
- Song, L., X. Zhang, & Y. Zhou. 2011. *A synergistical role of 1,25-dihydroxy vitamin D and 17 $\beta$ -estradiol in proliferation and differentiation of osteoblasts*. Eur. J. Pharmacol. , 659 (2-3), 273-280.
- Stringer L, Jonet. 2008. *Konsep Dasar Farmakologi Untuk Mahasiswa*, Jakarta : ECG
- Sutomo, B. 2008. Cegah Anemia dengan Tempe. <http://myhobbyblogs.com/food/files/2008/06/>. (Diakses pada tanggal 27 Mei 2016).
- Westendorf JJ, Kahler RA, Schroeder TM. 2004. *Wnt Signaling in Osteoblasts and Bone Diseases*. Gene 341: 19-39.
- WHO. 2003. Prevention and Management of Osteoporosis. Geneva.
- X.H. Li, J.C. Zhang, S.F. Sui, M.S. Yang. 2005. *Effect of daidzin, genistin, and glycitin on osteogenic and adipogenic differentiation of bone marrow stromal cells and adipocytic transdifferentiation of osteoblasts*, Acta Pharmacologica Sinica 26. 1081–1086.
- Yamaguchi, M. 2002. Isoflavone and bone metabolism: its cellular mechanism prevention role in bone loss. J. Health Sci. 48(3):209-220.
- Yosimura, H., Muneta, T., & Nimura, A. 2007. *Comparison of rat mesenchymal stem cells derived from bone marrow, synovium, periosteum, adipose tissue, and muscle*. Cell Tissue.