

DAFTAR PUSTAKA

- Abbas, AK. and Andrew HL, 2004. Basic Immunology: Function and Disorder of The Immune System 2nd Edition. Philadelphia: Elsevier Inc. 87-89.
- American College of Rheumatology. 2010. *Osteoporosis*. Atlanta: Arthritis Care and Research. 124-133.
- Arieska, AW. 2010. *Efek Ekstrak Etanol Daun Ceplukan (Physalis minima L.) terhadap Jumlah Sel Osteoklas Tikus Wistar (Rattus norvegicus) Pasca Ovariectomy*. Malang: Fakultas Kedokteran Universitas Brawijaya. Hal 34.
- Behfar, AA, 2008. The Plasma Antioxidant Activity of Superoxide Dismutase Enzyme in Osteoporosis. *Acta Medica Iranica* 46(6): 441-446.
- Biomedica Medizinprodukte GmbH & Co KG. 2001. *Cathepsin K, Enzyme Immunoassay for The Quantitative Determination of Cathepsin K in Serum or Cell Culture Supernatants*. Divischgasse: Biomedica Gruppe.
- Bu'hling, F., Rocken, C., Brasch, F., Hartig, R., Yasuda, Y., Saftig, P., Bro'mme, D., and Welte, T. 2004. Pivotal role of cathepsin K in lung fibrosis. *Am. J. Pathol.* 164: 2203–2216.
- Chapman Jr., HA and Shi, GP. 2000. Protease injury in the development of COPD: Thomas A. Neff Lecture. *Chest* 117: 295S–299S.
- Chapman, HA, Riese, RJ, and Shi, GP. 1997. Emerging roles for cysteine proteases in human biology. *Annu. Rev. Physiol.* 59: 63–88.
- Christina, S. 2010. *Efek Ekstrak Kacang Tunggak (Vigna unguiculata) terhadap Kadar Superoksid Dismutase (SOD) Serum Tikus Putih (Rattus norvegicus) Strain Wistar yang telah Diovariectomi*. Malang: Fakultas Kedokteran Universitas Brawijaya.
- Dahlan, SM. 2004. *Seri Statistik: Statistik untuk Kedokteran dan Kesehatan; Uji Hipotesis dengan Menggunakan SPSS Program 12 Jam*. Jakarta: Arkans. Hal. 4-26; 90-101.
- Drake, FH, Dodds, RA, James, IE. *et al.* 1996. Cathepsin K, but Not Cathepsins B, L, or S, Is Abundantly Expressed in Human Osteoclasts. *The Journal Of Biological Chemistry*. Vol. 271, No. 21, Issue of May 24, pp. 12511–12516.
- Fachrul, DOH. 2010. *Efek Ekstrak Etanol Daun Ceplukan (Physalis minima L.) terhadap Jumlah Sel Osteoblas Tikus Wistar (Rattus norvegicus) Pasca Ovariectomy*. Malang: Fakultas Kedokteran Universitas Brawijaya.
- Garnero, P., Borel, O., Byrjalsen, I., Ferreras, M., Drake, FH, McQueney, MS, Foged, NT, Delmas, PD, and Delaisse, JM. 1998. The collagenolytic activity

of cathepsin K is unique among mammalian proteinases. *J. Biol. Chem.* 273: 32347–32352.

Godat, E., Lecaille, F., Desmazes, C., Duchene, S., Weidauer, E., Saftig, P., Broemme, D., Vandier, C., and Lalmanach, G. 2004. Cathepsin K: A cysteine protease with unique kinin-degrading properties. *Biochem. J.* 383: 501–506.

Hou, WS, *et al.* 2002. Comparison of Cathepsins K and S Expression Within the Rheumatoid and Osteoarthritic Synovium. *American College of Rheumatology* 46(3): 663-674.

Kafienah, W., Broemme, D., Buttle, DJ, Croucher, LJ, and Hollander, AP. 1998. Human cathepsin K cleaves native type I and II collagens at the N-terminal end of the triple helix. *Biochem. J.* 331: 727–732.

Kamolmatyakul, S., *et al.* 2004. IL-1 α Stimulates Cathepsin K Expression in Osteoclasts via the Tyrosine Kinase-NF- κ B Pathway. *Cytokine Biology Forsyth Institute* 83(10): 791-796.

King, PG. 2008. Vaccines and Autism. <http://www.whale.to/v/king12.pdf> diakses pada 14 Juni 2012.

Kliegman, RM., Behrman, RE, Jenson, HB, Stanton, BF. 2007. *Nelson Textbook of Pediatric* (18th Edition). New York: Saunders.

Krum, SA, Gustavo AM, Peter VH, Jason SC, Timothy FL, Leonard PF, *et al.* 2008. Estrogen Protects Bone by Inducing Fas Ligand in Osteoblasts to Regulate Osteoclast Survival. *The European Molecular Biology Organization*, Vol. 27: 535–54.

Lateef, SS., Gupta, S., Jayathilaka, LP., *et al.* 2007. An Improved Protocol for Coupling Synthetic Peptides to Carrier Proteins for Antibody Production Using DMF to Solubilize Peptides. *Journal of Biomolekular Techniques* 18(3): 173- 176.

Le Gall, CL.; Bonnelye, E.; Clézardin, P. 2008. Cathepsin K inhibitors as treatment of bone metastasis. *Current Opinion in Supportive and Palliative Care* 2(3): 218.

Lecaille, F., Kaleta, J., and Broemme, D. 2002a. Human and parasitic papainlike cysteine proteases: Their role in physiology and pathology and recent developments in inhibitor design. *Chem. Rev.* 102: 4459–4488.

Masella, R., Di Benedetto, R., Vari, R., Filesi, C., Giovannini, C. 2005. Novel Mechanisms of Natural Antioxidant Compounds in Biological Systems: Involvement of Glutathione and Glutathione-Related Enzymes. *J Nutr Biochem* 16(10): 577-586.

Mayo, J.L., 1999. A Natural Approach to Menopause. *Applied Nutritional Science Reports* 5(7):1-8.

- Miao, D and Scutt, A. 2002. Histochemical Localization of Alkaline Phosphatase Activity in Decalcified Bone and Cartilage. *The Journal of Histochemistry & Cytochemistry*. Volume 50(3): 333–340.
- Rossouw JE, Anderson GL, Prentice RL, *et al.* 2002. Risks and benefits of estrogen plus progestin in healthy postmenopausal women: principal results From the Women's Health Initiative randomized controlled trial. *JAMA* 288(3): 321–33.
- Teipel, C., Bro¨mme, D., Herzog, V., and Brix, K. 2000. Cathepsin K in thyroid epithelial cells: Sequence, localization and possible function in extracellular proteolysis of thyroglobulin. *J. Cell Sci.* 113: 4487–4498.
- Thomas, E., Andreoli, Charles, C.J., Carpenter, R.C., Griggs, J.I. 2004. Cecil essentials of medicine. *W.B. Saunders Company P.* 587-589.
- Troen, Bruce R. 2003. Molecular Mechanisms Underlying Osteoclast Formation and Activation. *Experimental Gerontology*, Vol. 38: 605–614.
- Whitfield, J.F. 2001. The Parathyroid Hormones (PTHs): Anabolic Tools for Mending Fractures and Treating Osteoporosis. *Medscape Education* 1-9.
- WHO. 2003. *Prevention And Management Of Osteoporosis*. Geneva : World Health Organization.
- Yasuda, Y., Li, Z., Greenbaum, D., Bogyo, M., Weber, E., and Bro¨mme, D. 2004. Cathepsin V, a novel and potent elastolytic activity expressed in activated macrophages. *J. Biol. Chem.* 279: 36761–36770.