DAFTAR PUSTAKA

Aino, M., Nishida, E., Fujieda, Y., Orimoto, A., Mitani, A., Noguchi, T., Makino, H., Murakami, S., Umezawa, A., Yoneda, T., Saito, M., 2014, Isolation and characterization of human immature osteoblast culture system from the alveolar bones off aged donors for bone regeneration theraphy, *Journal expert opinion on biological therapy*, 14: 1731-1744.

Alrasyid, H., 2007, Peranan Isoflavon Tempe Kedelai Fokus pada Obesitas dan Kormobid, *Majalah Kedokteran Nusantara*, 40(3): 203-210.

Amran, R., Abadi, A., Theodorus, Widiastuti, E., 2012, Phytoestrogen Ginestin and Black Cohosh and Marker of BMD in Menopausal Women, *M. Med. Indones.* 46 (2): 132-137.

Arifin, S. H. Z., Ellias, M. F., Wahab, R. M. A., Bakar, Y., Senafi, S., 2010, Profil Aktiviti Laktat Dehidrogenase, Asid Fosfatase Rintang Tartarat, Alkalin Fosfat pada Liur Semasa Rawatan Ortodontik, *Sains Malaysia,* 39(3):405-412

Ariyanti, H., Apriliana, E., 2016, Pengaruh Fitoestrogen Terhadap Gejala Menopause, *Majority*, 5(5): 1-5.

Arslan, S. H., Arslan, H., Ketani, A., Hamamci, O., 2009, Effect of estrogen deficiency on tooth movement after force application: an experimental study in ovariectomized rats. *Acta Odontologica Scandinavica.* 65: 319-323.

Balajhi, SI., Iyyes, BS., 2006, *Biology in Tooth Movement. In: Orthodontic-The Art and Science 3rd* ed, Arya (MEDI) Publishing House, New Delhi. h. 94-181.

Bell, N. H., 2003, RANK Ligand and The Regulation of Skeletasl Remodeling, *J. clin Invest*, 111: 1120-1122.

Bentzen, B.H., Grauballe, M.C.B., Bjornsson, M.J., Stoltze, K., Hjorting-Hansen, E., and Holmstrup, P., 2005, A Comparison of Two Models of Experimental Periodontitis in Rats, *J. Lab. Anim. Sci*., 2(32): h. 73-80.

Berkovitz, B., Holland, G., Moxham, B., 2017, *Oral anatomy histology and embryology* 5th ed, elsevier, NY, h. 241.

Bruunsgaard, H., 2002, Effect of Tunor Necrosis Factor-Alpha and Interleukin-6 in Elderly Populations, *European Cytokines Network,* 13: 389-391.(*Abstr.*).

Chung, PL., Zhou, S., Eslami, B., Shen, L., LeBoff, M.S., Glowacki, J., 2014, Effect of Age on Regulation of Human Osteoclast Differentiation, *Journal of Cellular Biochemistry*, 115: 1412-1419.

Cobourne, MT., Dibiase, AT., 2009, *Contemporary Fixed Appliaces. In: Handbook of Orthodontic*, Elsevier, Edinburg, h. 45-235.

Cobourne, MT., DiBiase, AT., 2016, *Orthodontic Tooth Movement. In: Handbook of Orthodontics* second edition, Elsevier, China, h.138-145.

Daskalogiannakis, 2000, *Glossary of Orthodontic Terms,* Quintessence, Berlin, h.117.

Fang, Y., dkk., 2015, Soybean Isoflavone Treatment Induces Osteoblast Differentiation and Proliferation by Regulating Analysis of Wnt/β-catenin Pathway, *Gene*, 573: 273–277.

Federer, W., 2008, *Statistics and Society : Data Collection and Interpretation,* 2th ed., Markel Deker, New York, h. 472.

Gembong, T. 2004. Taksonomi Tumbuhan (Spermatophyta). Universitas Gajah Mada Press. Yogyakarta.

Graber, L. W., Vanarsdall, R. L., Vig, K. W. L., 2012, Orthodontics Current Principles and Technique, Elsevier, Philadelphia.

Hand, AR., Frank, ME., 2015, *Fundamentals of Oral Histology and Physiology*, Wiley, New Jersey, h.130-132.

Henneman, S., Hoff, J. W. V. D., Maltha, J. C., 2008, Mechanobiology of Tooth Movement, *European Journal of Orthodontic*, 30: 299-306.

Hikmah, N., 2015, Profil Osteoblas dan osteoklas tulang alveolar pada model tikus diabetes tahap awal dengan aplikasi gaya ortodonti yang berbeda, *El-Hayah*, Vol 5(2) h. 97-102.

Hu, B., Yu, B., Tang, D., Li, S., Wu, Y., 2016, Daidzein Promotes Osteoblast Proliferation and Differentiation in OCT 1 Cells through Stimulating The Activation of BMP-2/Smads Pathway, *Genet Mol Res*, 15(2): 1-10.

Kee-Lung, C., Yu-Chen, H., Bau-Shan, S., Hsiao-Ling, C., Hen-Wei, H., Li-Wen, H., Shu-Jem, S., 2013, Combined Effect of Soy Isoflavones and Vitamin D3 on Bone Loss in Ovariectomized Rats, *Nutrition*, 29: 250-257.

Kim, H., Tabata, A., Tomoyasu, T., Ueno, T., Uchiyama, S., Yuasa, K., Tsji, A., Nagamune, H., 2014. Estrogen stimuli promote osteoblastic differentiation via the subtilism-like proprotein convertase PACE4 in MC3T3-E1 cell, *Journal of Bone and Mineral Metabolism,* 33(1): 30-39.

Kini, U., Nandeesh, BN., 2012, *Physiology of Bone Formation, Remodeling, and Metabolism* dalam *Radionuclide and Hybrid Bone Imaging*, Springer, Berlin, h. 27-57.

Krishnan, V., Davidovitch, Z., 2006, Cellular, molecular. And tissue-level reactions to orthodontic force, *American Journal of Orthodontics and Dentofacial Orthopedics*, 129(4) 1-32.

Krishnan, V., Davidovitch, Z., 2015, *Biological mechanism of tooth movement* 2nd Ed., Willey Blackwell, UK. 21-28.

Li, X., Li, M., Lu, J., Cui, L., Zhang, D., Yang, Y., 2016, Age-related effect on osteoclastic activities after orthodontic tooth movement, *Bone Joint Res*, 5(10): 492-499.

Lim, WH., Liu, B., Mah, S-J., Chen, S., Helms, J. A., 2014, The Molecular and Cellular Effect of Agening on The Periodontal Ligament, *Journal of Clinical Periodontology*, 41: 935-942.

Lombo, C. G., Anindita, P. S., Juliatri, 2016, Uji pelepasan ion nikel dan kromium pada beberapa braket *stainless steel* yang direndam di air laut. *Jurnal e-Gigi(eG)*, 4 (1): 29.

Meisyanti, Z. S., 2017, Pengaruh Pemberian Genistein Isoflavon Susu Kedelai terhadap Jumlah Sel Osteoklas pada Pergerakan Gigi Secara Ortodonti (Kajian *In Vivo* pada Tikus *Sprague dawley*), *Skripsi*, Fakultas Kedokteran Gigi Universitas Gadjah Mada, h. 41.

Myres P., Armitage D. 2004. *Rattus novergicus Animal Diversiy*. http://animaldiversity.umuz.umich.edu/site/accounts/information/Rattusnovergicus.html. [22/10/2017].

Nanda, R., 2012, *Esthetics and Biomechanics in Orthodontic*, Elsevier, Philadelphia, h. 98.

Neve, A., Corrado, A., Cantatore, F. P., 2010, Osteoblast Physiology in Normal and Pathological Conditions, *Cell Tissue Res*, 343(2): 289-302.

Niiomi, dkk., 2015, *Advance in Metallic Biomaterials-Tissue, Materials and Biological Reaction*, Springer, Berlin.

Patisaul, H. B., Jefferson, W., 2010, The Pros and Cons of Phytoestrogens, Elsevier, US, 31(4): 400-419.

Prijatmoko, D., 2014, *Biomekanik Pergerakan Gigi*, CV Sagung Seto, Jakarta.

Raden, A., 2011, Efek Ekstrak Pegagan (*Centella Asiatica*) pada *Rattus Norvegicus* Wistar yang Dilakukan Ovariektomi Terhadap Proliferasi Epitel pada Dinding Vagina, *Jurnal Ilmiah Kedokteran Hewan*, 4(1): 71-76.

Ramos, D. F., Weimer, A. D., Hanna, M., 1979, A study of the forces produced by various preformed uprighting springs, *Am. J. Orthod.*: 639

Ren, Y., Maltha, J. C., Van ‘t Hot, M. A., Kuijpers-Jagtman, A. M., 2003, Age Effect on Orthodontic Tooth Movement in Rats, *J Dent Res*, 82(1): 38-42.

Ross, M. H., dan Pawlina, W., 2011, *Histology: A text and Atlas with Correlated Cell and Molecular Biology*, Lippincott William & Wilkins, China, h. 254-256, 261.

Santrock, J. W., 2011, *Perkembangan Masa-Hidup* ed. 13 (terj.), Erlangga, Jakarta, h. 17.

Sihombing, I., Wangko, I., Kalangi, S. J. R., Peran Estrogen pada Remodeling Tulang, *Jurnal Biomedik*, 4(3): 18-28.

Singh, G., 2004, *Biology in Tooth Movement In: Textbook of Orthodontic 1st* ed. Jaypee. New Delhi, h.1.

Sintessa, S., Soemarko, H. M., Suprapti, L., Hernawan, I., 2013, Hambatan Prostaglandin pada pemberian OAINS dan Non-OAINS Pasca Pemakaian Alat Ortodontik, *J. Exp. Life Sci.,* 3(2): 65-76.

Sramkova, Z., E. Gregovab, and E. Sturdika. 2009. Chemical composition and nutritional quality of wheat grain. *Acta Chimica Slovaca* 2(1): 115-138.

Suarni, 2011, Struktu dan Komposisi Biji dan Nutrisi Gandum, *Balai Penelitian Tanaman Serealia*, h 51-68. [23/10/2017] dari http://balitsereal.litbang.pertanian.go.id/wp-content/uploads/2017/01/anigdm.pdf.

Suparwitri, S., 2016, Pengaruh Isoflavon Ginestein Kedelai terhadap Osteoklas, Osteoblas, Osteokalsin, Esterogen, dan Reseptor Esterogen pada Pergerakan Gigi secara Ortodonti, *Disertasi*, Fakultas Kedokteran Gigi Universitas Gadjah Mada, Yogyakarta, h.48-107.

Taddei, S. R. A., Moura, A. P., Andrade, I., Garlet, G. P. Garlet, T. P., Teixeira, M. M., Silva, T. A., 2012, Experimental Model of Tooth Movement in Mice: A Standardized Protocol for Studying Bone Remodeling Under Compression and Tensile Strains, *J Biomech*, 45:2729-2735.

Tortora, G. J., Derrickson, B., 2012, *Principles of Anatomy & Physiology 13th ed.*, John Wiley & Sons, Inc. USA, h.185.

Trisnarizki, L., 2007, Pengaruh Ekstrak Biji Nigella sativa (Jinten Hitam) terhadap Kadar Albumin Darah Tikus Wistar yang Diberi Metotreksat, *Karya Tulis Ilmiah*, Fakultas Kedokteran Universitas Diponogoro Semarang. h.21.

Tsuang, Y. H., Sun, J. S., Chen, L. T., Sun, S. C. K., Chen, S. C., 2006, Direct Effect of Caffeine on Osteoblastic Cells Metabolism: the Possible Casual Effect of Caffeine on the Formation of Osteoporosos, *J of Ortho Surgery and Researc*, 1 (7): 1-10.

Vinyard, C., 2008, *Primate Craniofacial Function and Biology*, Springer, USA, h. 128.

Wiyasa, I.W.A., Norahmawati, E., Soehartono, 2008, Pengaruh Isoflavone Ginestin dan Daidzein Ekstrak Tokbi (Pueraria lobata) strain Kangean terhadap jumlah osteoblas dan osteoklas Rattus Novergicus Wistar hipoestrogenik, *Maj Obstet Ginekol Indonesia*, 32(3): 148-152.

Wulandari, C.L., 2015. Terapi Sulih Hormon Alami Untuk Menopause, *Jurnal Involusi Kebidanan*, 5(10): 54-66.

Zallone, A., 2006, Direct and Indirect estrogen action on osteoblast and osteoclast. *N. Y. Acad. Sci.*, (1068): 173-179.