

DAFTAR PUSTAKA

- Adilah, Sylvia, M, dan Hamid, T., 2010, Proses Fisiologi Pergerakan Gigi Ortodonti, *Orthodontic Dental*, 1(1): 8-13.
- Alrasyid, H., 2007, Peranan Isoflavon Tempe Kedelai Fokus pada Obesitas dan Kormobid, *Majalah Kedokteran Nusantara*, 40(3): 203-210.
- Amin, M.N., 2008, Aspek Seluler Pergerakan Gigi, *Jurnal Kedokteran Gigi Universitas Jember*, 6(1): 9-16.
- Antony, 2010, Pengaruh Besar Jarak Peregangan Terhadap Besarnya Force yang Dihasilkan Elastomeric Chain, *Skripsi*, Fakultas Kedokteran Gigi Universitas Sumara Utara.
- Arikunto, S., 2006, *Prosedur Penelitian Suatu Pendekatan Praktik*, Rineka Cipta, Jakarta, hal.139.
- Arnett, T., 2003, *Bone Structure and Bone Remodelling*, University College, London, hal.3.
- Astawan, M., 2009, *Sehat dengan Hidangan Kacang dan Biji-bijian*, Penebar Swadaya, Jakarta, hal.109.
- Baziad, A., 2003, *Menopause dan andropause*, Yayasan Bina Pustaka Sarwono Prawiroharjo, Jakarta, hal.79.
- Bell dan Norman, H., 2003, RANK Ligand and The Regulation of Skeletal Remodeling, *J Clin Invest*, Vol 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): 73-80.
- Berkovitz, B.K.B., Holland, G.R., and Moxham, B.J., 2009, *Oral Anatomy Histology and Embryology*, 4th ed., Mosby Elsevier, Missouri, 211-215.
- Bhalajhi, S.I., 2004, *Orthodontics The Art and Science*, 3rd Ed, Arya Publishing House, New Delhi, hal.374.
- Capelli, J., Fidel, R., Figueredo, C.M., Teles, R.P., 2010, Change in the Gingival Fluid Volume During Maxillary Canine Retraction, *Dental Press J Orthod*, 15(2): 52-57.
- Cassidy, A., 2003, Potential Risks and Benefits of Phytoestrogen-rich diets, *Int J Vitam Nutr Res*, 73(2): 120-126.

- Dang, Z.C., Lowik, C., 2005, Dose-dependent Effect of Phytoestrogen on Bone, *TRENDS in Endocrinology and Metabolism*, 25(2): 208-213.
- Dyken, R.A., Sadowsky, L., Hurts, D., 2001, Orthodontic Outcomes Assesment Using the Peer Assesment Rating Index, *J Angle Orthod*, 71: 164-169.
- Fadhilah, R.N., Suhartini, Rahardyan, P., 2013, Perbandingan Pemberian Ikan Teri (*Stolephorus Sp.*) dan Susu Kedelai Terhadap Densitas Mandibula Tikus Wistar Jantan, *IDJ*, 2(1): 19-26.
- Federer, W., 2008, *Statistics and Society : Data Collection and Interpretation*, 2th ed., Markel Deker, New York, hal.472.
- Gartner, L.P., 2015, *Textbook of Histology*, Elsevier, India, hal.159.
- Graber, L.W., Vanarshdall, R.L., Vig, K.W.L., Huang, G.J., 2016, *Orthodontics Current Principles and Techniques*, Elsevier, Philadelphia, hal.136.
- Hikmah, N., Dewi, A., Maulana, H., 2016, Rasio Osteoklas dan Osteoblas pada Tulang Alveolar Model Tikus Diabetes dengan Aplikasi Gaya Ortodonti, *Jurnal Kedokteran Brawijaya*, 29(1): 54-58.
- Janqueira, L., Carneiro, C.J., 2007, *Text and Atlas Histologi Dasar*, EGC, Jakarta, hal 134-136.
- Kawiyana, I.K.S., 2009, Osteoporosis Patogenesis Diagnosis dan Penanganan Terkini, *J Peny Dalam*, 10(2): 157-170.
- Krishnan, V., Davidovitch, Z., 2006, Cellular, molecular, and tissue-level reaction to orthodontic force, *American Journal of Orthodontics and Dentofacial Orthopedics*, 129(4): 469-471.
- Krishnan, V., Davidovitch, Z., 2009, On a Path to Unfolding the Biological Mechanism of Orthodontic Tooth Movement, *J Dent Res*, 88(7): 597-608.
- Kumar, G.S., 2014, *Orban's Oral Histology & Embryology*, Elsevier, India, hal.215.
- Lee, S.H., Kim, J.K., Jang, H.D., 2014, Genistein Inhibits Osteoclastic Differentiation of RAW 264.7 Cells via Regulation of ROS Production and Scavenging, *International Journal of Molecular Sciences*, Vol 15: 10605-10621.
- Li, B.B., Yu, S.F., Meng, X.M., 2003, The Beneficial Effect of Genistein on Mandible Bone Metabolism in Ovariectomized Rats, *Chinese Journal of Stomatology*, 38(5): 336-338.

- Liu, S.H., Chen, C., Yang, R.S., Yang, Y.T., Tsai, C., 2011, Caffeine Enhances Osteoclast Differentiation From Bone Marrow Hematopoietic Cells And Reduces Bone Mineral Density in Growing Rats, *Journal of Orthopaedic Research*, 29(6): 954-960.
- Meikle, M.C., 2006, The Tissue Cellular and Molecular Regulation of Orthodontic Tooth Movement, *European J Orthod*, 28: 221-240.
- Mescher, A.L., 2012, *Janqueira's Basic Histology*, McGraw-Hill Companies, United States, hal.166.
- Muhammad, H.F.L., Oktaviani, P., 2010, *Bebas Kanker Tanpa Daging*, Great Publisher, Yogyakarta, hal.93.
- Muntiha, M., 2001, Teknik Pembuatan Histopatologi dari Jaringan Hewan dengan Pewarnaan Hematoksilin dan Eosin (HE), Balai Penelitian Veteriner, Bogor, hal.156-168.
- Nanda, R., 2005 *Biomechanics and Esthetic Strategies in Clinical Orthodontics*, Elsevier Saunders, Philadelphia, hal.94-95.
- Nanda, R., 2012, *Esthetics and Biomechanics in Orthodontics*, Elsevier Saunders, Philadelphia, hal.98.
- Narmada, I.B., Syafei, A., 2008, The Role of Mechanical Force in Molecular and Cellular During Orthodontic Tooth Movement, *Indonesian Journal of Dentistry*, 15(3): 226-231.
- Newman dan Michael, G., 2002, *Carranza's Clinical of Periodontology*, 9th ed., WB Saunders Company, Philadelphia, hal.47.
- Oley, A.B., Anindita, P.S., Leman, M.A., 2015, Kebutuhan Perawatan Ortodonti Berdasarkan Index Of Orthodontic Treatment Need Pada Usia Remaja 15-17 Tahun, *Jurnal e-Gigi*, 3(2): 292-297.
- Oursler, M.J., 2003, Direct and Indirect Effect of Estrogen on Osteoclast, *J Musculoskel Nueron Interact*, Vol 394: 363-366.
- Pascal, M., and Loverlec, O., 2006, *Rattus novergicus*, http://www.europealiens.org/pdf/Rattus_novergicus.pdf, (8/10/2016).
- Pilsakova, I., Riecansky, I., Jagla, F., 2010, The Physiological Actions of Isoflavone Phytoestrogens, *Physiological Research*, 59: 651-664.

- Putri, Hiranya, Herijulianti, Eliza, dan Nurjannah. N., 2010, *Ilmu Pencegahan Penyakit Keras dan Jaringan Pendukung Gigi*, EGC, Jakarta, hal 25-50.
- Prijatmoko, D., 2014, *Biomekanik Pergerakan Gigi*, CV Sagung Seto, Jakarta.
- Purbowatiningrum, R.S., Hasim, Iswantini, D., 2004, Pengembangan Metode Penentuan Isoflavon Kadar Rendah dalam Limbah Cair Tahu Menggunakan Enzim NADH Oksidase, *JKSA*, 7(1): 18-23.
- Rahardjo, Pambudi, 2009, *Ortodonti Dasar*, Airlangga University Press, Surabaya, hal.112.
- Ridwan, E., 2013, Etika Pemanfaatan Hewan Percobaan dalam Penelitian Kesehatan, *J Indon Med Assoc*, 63(3): 112-116.
- Robling, A.G., Castill, A.B., Turner, C.H., 2006, Biomechanical and Molecular Regulation of Bone Remodeling, *Annu Rev Biomed Eng*, 8: 455-498.
- Sanmuganathan, D., 2011, *The Role of the Osteocyte in Orthodontic Tooth Movement in the Rat Dento-alveolar Complex*, The University of Adelaide, Australia, hal.29.
- Santoso, H.B., 2006, Struktur Mikroskopis Kartilago Epifisialis Tibia Fetus Mencit (*Mus musculus L.*) dari Induk dengan Perlakuan Kafein, *Bek. Penel. Hayati*, 12: 69-74.
- Setchell, K.D.R., Lydeking-Olsen, E., 2003, Dietary Phytoestrogen and Their Effect of Bone, *American Journal of Clinical Nutrition*, 78: 593-609.
- Shen, C.L., 2009, Green Tea and Bone Metabolism, *Nutr Res*, 437-456.
- Shenava, S., Nayak, U.S.K., Bhaskar, V., Nayak, A., 2014, Accelerated Orthodontics-A Review, *International Journal of Scientific Study*, 1(5): 36-39.
- Sihombing, I., Wangko, S., Kalangi, S.J.R., 2012, Peran Estrogen dalam Remodeling Tulang, *Jurnal Biomedik*, Vol 4(3): 18-28.
- Suparwitri,S., 2016, Pengaruh Isoflavon Genistein Kedelai terhadap Osteoklas, Osteoblas, Osteokalsin, Estrogen dan Reseptor Estrogen pada Pergerakan Gigi secara Ortodonti, *Disertasi*, Fakultas Kedokteran Gigi Universitas Gadjah Mada, Yogyakarta.
- Susilowati, 2010, Peran Matriks Metaloproteinase-8 pada Cairan Krevikuler Gingiva Selama Pergerakan Gigi Ortodontik, *Dentofasial*, 9: 47-54.

- Tan, H.T., Rahardja, K., 2010, *Obat-obat Sederhana untuk Gangguan Sehari-hari*, Gramedia, Jakarta, hal.172.
- Taddei, S.R., Moura, A.P., Andrade, I.J., Garlet, G.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, *Journal of Biomechanics*, 45(16): 2729-2735.
- 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 Diponegoro Semarang.
- Utari, T.R., 2014, Pengaruh Bisfosfonat Risedronat Topikal terhadap Aktivitas Osteoklas dan Jarak Relaps Gigi setelah Digerakkan secara Ortodontik, *Disertasi*, Fakultas Kedokteran Gigi Universitas Muhammadiyah, Yogyakarta.
- Xie, R., Kuljpers-Jagtman, A.M., Maltha, J.C., 2008, Osteoclast Differentiation During Experimental Tooth Movement by a Short-term Force Application: an Immunohistochemical Study Rats, *Acta Odontologica Scandinavica*, 66(3): 314-320.
- Yamaguchi, M., 2002, Isoflavone and Bone Metabolism: Its Cellular Mechanism and Preventive Role in Bone Loss, *Journal of Health Science*, 48(3): 209-222.
- Yovela, Y., 2009, Penatalaksanaan Kasus Protusif Gigi Anterior Atas dengan Kelainan Periodontal pada Pasien Dewasa, *Journal of Dentistry Indonesia*, 16(1): 25-31.
- Yustina, A.R., Suardita, K., dan Dian, A.W., 2012, Peningkatan Jumlah Osteoklas pada Keradangan Periapikal Akibat Induksi Lipopolisakarida *Porphyromonas Gingivalis* (Suatu Penelitian Laboratoris Menggunakan Tikus), *JBP*, hal.14.