

DAFTAR PUSTAKA

- Amin, M.N., dan Permatasari, N., 2016, "Aspek Biologis Pergerakan Gigi secara Ortodonsi. Stomatognathic", *J. K. G Unej*, 13 (1): 22-27.
- Ardhana, W., 2013, "Identifikasi Perawatan Ortodontik Spesialistik dan Umum", *Maj Ked Gi*, 20(1):1-8.
- Arias, O.R., dan Marquez-Orozco, M.C., 2006, "Aspirin, Acetaminophen, and Ibuprofen: Their Effects on Orthodontic Tooth Movement", *Am. J. Orthod. Dentofacial. Ortho*, 130 (3): 364-370.
- Boonpratham S, Kanno S, and Soma K. 2007. "Occlusal stimuli regulate interleukin-1beta and FGF-2 expression in rat periodontal ligament", *J Med Dent Sci*. 54.
- Brahmanta, A., Soetjipto, Narmada, IB., 2016, "Histological changes during orthodontic tooth movement due to hyperbaric oxygen therapy", *Maj Ked G.*, 49(2): 63–66.
- Chen, Y., Yu, Q. dan Xu, C.B., 2017, "A Convenient Method for Quantifying Collagen Fibers in Atherosclerotic Lesions by ImageJ Software", *Int J Clin Exp Med*, 10 (10): 14904-14910.
- Dirmadana, RA., dkk, 2017, "Inovasi *Stichopus hermannii* dan TOHB dalam meningkatkan jumlah fibroblast pada ligament periodontal", *Denta Jurnal Ked Gigi*, 11 (1):15-24.
- Esashika M, Kaneko S, Yanagishita M, and Soma K., 2003, Influence of orthodontic forces on the distribution of proteoglycans in rat hypofunctional periodontal ligament. *J Med Dent Sci*. 50: 183–194.
- Fawcett, Don W, 2002, *Buku Ajar Histologi Ed.12*, Alih bahasa oleh Jan Tambayong, Jakarta: EGC.
- Garat JA., Gordillo ME., Ubios AM., 2005, "Bone response to different strength orthodontic forces in animals with periodontitis", *J Periodont Res*, 40:441-5
- Henneman S, Von den Hoff JW, Maltha JC., 2008, "Mechanobiology of tooth movement", *European. J. of Orthodontics* 30:299–306.
- Howard P S, Kucich U, Taliwal R, Korostoff J M., 1998, "Mechanical forces alter extracellular matrix synthesis by human periodontal ligament fibroblasts". *Journal of Periodontal Research* 33 : 500 – 508.
- Juwita, Harlystiarini, T. Widyaputri, A. Effendi, E.M Kaiin, Nurhidayat., 2010, Tingkat pertumbuhan dan analisa protein sel-sel fibroblas fetal tikus hasil kultur in vitro, Diunduh dari: *journal.ipb.ac.id. Home. Vol 1. No 2*
- Karolina Y, Sutardjo IRS, Titien I, 2014, "Pengaruh Besar Free Way Space Terhadap Daya Kunyah Anak Laki-laki dan Perempuan di Dataran Tinggi Cangkringan dan Dataran Rendah Wirobrajan (Kajian pada Anak Suku Jawa Usia 7-8 Tahun)". *J Ked Gi*, 5 (2): 228-235.
- Kehoe, MJ., Cohen, SM., Zarrinia, K., Cowan, A., 1996, "The effect of acetaminophen, ibuprofen, and misoprostol on prostaglandin E2 synthesis and the degree and rate of orthodontic tooth movement", *Angle Orthod*, 66 (5): 339-350
- Kerrigan JJ, Mansell JP, Sandy JR., 2000, "Matrix turnover", *J Orthod*; 27:227-33.

- Krishnan, V and Davidovitch, Z., 2006, "Cellular, molecular, and tissue-level reactions to orthodontic force", *Am. J. Orthod. Dentofacial. Ortho.*, 129. 469e.1–460e.
- Krishnan, V and Davidovitch, Z., 2009, *Biological Mechanisms of Tooth Movement*, Wiley-Blackwell
- Krishnan, V and Davidovitch, Z., 2015, *Biological Mechanisms of Tooth Movement. Second Edition*, Wiley-Blackwell
- Lehninger A.L., 1993, *Dasar-Dasar Biokimia (Terjemahan)*, Erlangga, Jakarta.
- Lekic, P. and McCulloch, C.A., 1996, "Periodontal ligament cell population: the central role of fibroblasts in creating a unique tissue", *The Anatomical Record*, 245:327–341.
- Li Y, Jacox L.A, Little S.H, and Ko C.C, 2018, "Orthodontic tooth movement: The biology and clinical implications". *Kaohsiung Journal of Medical Sciences*. 34: 207-214.
- Mabuchi R, Matsuzaka K, Shimono M., 2002, "Cell proliferation and cell death in periodontal ligaments during orthodontic tooth movement". *J Periodont Res*. 37:118–24
- Martin S. T., Ilana B., Doron H., and Shulamit S., 2002, The effect of functional occlusal forces on orthodontic tooth movement and tissue recovery in rats, *Am J Orthod Dentofacial Orthop*;121:620-8
- Miyagawa A, Chiba M, Hayashi H, Igarashi K., 2009, "Compressive force induces VEGF production in periodontal tissues", *J Dent Res*, 88(8): 752-756.
- Mulyani. 1994. *Biomekanika Pergerakan Gigi*. Jakarta : Widya Medika.
- Nanci A, and Bosshardt DD, 2006, *Structure of periodontal tissues in health and disease*, *Periodontol* 2000;40:11-28.
- Nanda, Ravindra, 1997, *Biomechanics in Clinical Orthodontics*, Saunders: Michigan.
- Nanda R., 2005, *Biomechanics and Esthetic Strategies in Clinical Orthodontics*, Elsevier: St. Louis.
- Nayak U.A., Winnier J., Ruseph S. 2008, "The Relationship of Dental Aesthetic Index with Dental Appearance, Smile and Desire for Orthodontic Correction", *International Journal of Clinical Pediatric Dentistry*;2(2):8.
- Papadopoulou A, Iliadi A, Eliades T, Kletsas D., 2017, "Early responses of human periodontal ligament fibroblasts to cyclic and static mechanical stretching", *European Journal of Orthodontics*, 258–263.
- Peter, Elbe., Varughese, Jolly Mary., Varghese, NO., 2019, "Patient Reported Outcome Measures in Orthodontics", *Dentistry and Medical Research*. 7 (1): 3-11
- Prameswari, Noengki., 2007, "The response of periodontal ligament collagen fibres and the thickness of inserting periodontal ligament fibre bundles at cementum pressure sites of fixed orthodontic appliances", *Dent J (Maj Ked Gigi)*. 40 (2): 70-75.
- Rahardjo, Pambudi, 2012, *Ortodonti Dasar*, Edisi 2, Surabaya, Airlangga University Press
- Robert, K.M., Daryl, K.G., & Victor, W.R., 2012, *Biokimia Harper*, Jakarta:EGC.

- Salomao, M. F. L., Reis, S. R. A., Vale, V. L. C., Machado, C. V, Meyer, R., Nascimento, I. L. O., 2014, “Immunolocalization of FGF-2 and VEGF in Rat Periodontal Ligament During Experimental Tooth Movement”, *Dental Press J Orthod*, 19(3): 67-74
- Sringkarnboriboon S, Matsumoto Y, Soma K., 2003, “Root resorption related to hypofunctional periodontium in experimental tooth movement”, *J Dent Res*. 82(6):486–90.
- Usumi-Fujita R, Hosomichi J, Ono N, Shibutani N, Kaneko S, Shimizu Y, Ono T., 2013, “Occlusal Hypofunction causes Periodontal Atrophy and VEGF/VEGFR Inhibition in Tooth Movement”, *Angle Orthod*. 83(1):48-56
- Utomo, Haryono, 2007, “A new concept in orthodontics: faster and healthier tooth movement by regularly consuming xylytol chewing gum”, *Dent. J. (Maj. Ked. Gigi)*, 40 (4): 176-180.
- Yamaguchi M dkk, 2004, Cathepsins B and L increased during response of periodontal ligament cells to mechanical stress in vitro, *Connective Tissue Research*, 45 : 181 – 189.
- You J , Yellowley C E , Donahue H J , Zhang Y , Chen Q , Jacobs C R., 2000, “Substrate deformation levels associated with routine physical activity are less stimulatory to bone cells relative to loading-induced oscillatory fluid flow”, *Journal of Biomechanical Engineering*, 122 : 387 – 393.
- Zen, Yuniar, 2014, “Perawatan Ortodonti Gigitan Terbuka Anterior”, *Maj Ked Gi*, 21(1): 1-8.