



DAFTAR PUSTAKA

- Abdelhamed, A. N., dan Refai, W. M. M., (2018) Evaluation of the Effect of Combined Low Energy Laser Application and Micro-Osteoperforations versus the Effect of Application of Each Technique Separately On the Rate of Orthodontic Tooth Movement. *Maced J Med Sci.* 6(11): 2180-2185.
- Aljabaa, A., Almoammar, K., Aldrees, A., dan Huang, G., (2018) Effects of vibrational devices on orthodontic tooth movement: A systematic review. *Am J Orthod Dentofac Orthop.* 154(6): 768-779.
- Alsayedhasan, M. M. A., Sultan, K., dan Hamadah, O., (2016) Low-level laser therapy effectiveness in accelerating orthodontic tooth movement: A randomized controlled clinical trial. *Angle Orthod.* (4):499-504.
- Arumughan, S., Somaiah, S., Muddaiah, S., Shetty, B., Reddy, G., dan S, R., (2018) A Comparison of the Rate of Retraction with Low-level Laser Therapy and Conventional Retraction Technique, *Contemp. Clin. Dent.* 9(2): 260-266.
- Azeem, M., Afzal, A., Jawa, S. A., Haq, A. U., Khan, M., dan Akram, H., (2019) Effectiveness of electric toothbrush as vibration method on orthodontic tooth movement: a split-mouth study. *Dental Press J. Orthod.*
- Bakdach, W. M. M. dan Hadad, R., (2020) Effectiveness of low-level laser therapy in accelerating the orthodontic tooth movement: A systematic review and meta-analysis. *Dent Med Probl.* 57(1): 73-94.
- Baxter, G. M., (2020) Adams & Stashak's Lameness in Horses. 7th ed. Hoboken: John Wiley & Sons. pp 939.
- Benjakul, S., Unat, B., Thammanichanon, P., dan Leethanakul, C., (2020) Vibration synergistically enhances IL-1 beta and TNF-alfa in compressed human periodontal ligament cells in the frequency-dependent manner. *J Oral Biol Craniofac Res.* 10(2020): 412-416.
- Buschang, P. H., Campbell, P. M., Russo, S., (2012) Accelerating Tooth Movement with Corticotomies: Is It Possible and Desirable? *Semin Orthod.* 18(4): 286-294.
- Caccianiga, G., Paiusco, A., Perillo, L., Nucera, R., Pinsino, A., Maddalone, M., Cordasco, G., dan Giudice, A. L., (2018) Does Low-Level Laser Therapy Enhance the Efficiency of Orthodontic Dental Alignment? Results from a Randomized Pilot Study. *Photomed Laser Surg.* 35(8): 421-426
- Chung, H., Dai, T., Sharma, S. K., Huang, Y., Caroll, J. D., dan Hamblin, M. R., (2011) The Nuts and Bolts of Low-level Laser (Light) Therapy. *Ann Biomed Eng.* 40(2): 516-533.
- Dealmeida, V. L., Gois, V. L. D., Andrade, R. N. M., Cesar, C. P. H. A. R., DeAlbuquerque-Junior, R. L. C., Rode, S. D., dan Paranthos, L. R., (2016)



Efficiency of low-level laser therapy within induced dental movement: A systematic review and meta-analysis. *J Photochem Photobiol B Biol.* 158(2016): 256-266.

- Dibiase, A. T., Woodhouse, N. R., Papageorgiou, S. N., Johnson, N., Slipper, C., Grant, J., Alsaleh, M., Khaja, Y. dan Cobourne, M. T., (2018) Effects of supplemental vibrational force on space closure, treatment duration, and occlusal outcome: A multicenter randomized clinical trial. *Am J Orthod Dentofac Orthop.* 153(4): 469-480.e4.
- Fini, M. B., Olyaei, P., dan Homayouni, A., (2020) The Effect of Low-Level Laser Therapy on the Acceleration of Orthodontic Tooth Movement. *J Lasers Med Sci.* 11(2): 204-211.
- Fu, T., Liu, S., Zhao, H., Cao, M., Zhang, R., (2019) Effectiveness and Safety of Minimally Invasive Orthodontic Tooth Movement Acceleration: A Systematic Review and Meta-analysis. *J Dent Res.* 2019: 1-11.
- Guram, G. Reddy, R. K., Dharamsi, A. M., Ismail, P. M. S., Mishra, S., dan Prakashkumar, M. D., (2018) Evaluation of Low-Level Laser Therapy on Orthodontic Tooth Movement: A Randomized Control Study. *Contemp. Clin. Dent.* 9(1): 105-109.
- Hardcastle, W. J., Laver, J., Gibbon, F. E., (2013) *The Handbook of Phonetic Sciences.* 2nd ed. Chichester: Blackwell Publishing. pp 184.
- Imani, M. M., Golshah, A., Safari-Faramani, R., dan Sadeghi, M., (2018) Effect of Low-level Laser Therapy on Orthodontic Movement of Human Canine: a Systematic Review and Meta-analysis of Randomized Clinical Trials. *Acta Inform Med.* 26(2):139-143.
- Impellizzeri, A., Horodynki, M., Fusco, R., Palaia, G., Polimeni, A., Romeo, U., Barbato, E., dan Gallucio, G., (2020) Photobiomodulation Therapy on Orthodontic Movement: Analysis of Preliminary Studies with a New Protocol. *Int J Environ Res Public Health.* 17(3547): 1-14.
- Jawad, M. M., Husein, A., Azlina, A., Alam, M. K., Hassan, R., dan Shaari, R., (2018) Effects of Low Level Laser Therapy and Low Intensity Pulsed Ultrasound Treatment and the Combination of Them on Osteogenesis *in vitro*. *Int. J. Orthod.* 29(2): 60-67.
- Jawad, M. M., Husein, A., Alam, M. K., Hassan, R., Shaan, R., Azlina, A., dan Salzihan, MS., (2019) Effect of 940nm Low Level Laser Therapy on Bone Remodeling During Orthodontic Tooth Movement in Rats. *J Int Dent Med Res.* 12(3): 886-893.
- Jing, D., Xiao, J., Li, X., Li, Y., dan Zhao, Z., (2017) The effectiveness of vibrational stimulus to accelerate orthodontic tooth movement: a systematic review. *BMC Oral Health.* 17(143): 1-9.



- Johar, K., (2011) *Fundamentals of Laser Dentistry*. Panama City: Jaypee Brothers Medical Publishers. pp 128-132.
- Jose, J. A., Somaiah, S., Muddaiah, S., Shetty, B., Reddy, G., dan S. R., (2018). *Contemp. Clin. Dent.* 9(2): 267-275.
- Judex, S., dan Pongkitwitoon, S., (2018) Differential Efficacy of 2 Vibrating Orthodontic Devices to Alter the Cellular Response in Osteoblasts, Fibroblasts, and Osteoclasts. *Dose Response*. 16(3): 1-8.
- Katchooi, M., Cohanim, B., Bayirli, B., Spiekerman, C., dan Huang, G., (2018) Effect of supplemental vibration on orthodontic treatment with aligners: A randomized trial. *Am J Orthod Dentofac Orthop.* 153(3): 336-346.
- Kitaura, H., Kimura, K., Ishida, M., Sugisawa, H., Kohara, H., Yoshimatsu, M., dan Takano-Yamamoto, T., (2014) Effect of Cytokines on Osteoclast Formation and Bone Resorption during Mechanical Force Loading of the Periodontal Membrane. *Sci World J.* 2014: 1-7.
- Lalnunpuii, H., Batra, P., Sharma, K., Srivastava, A., dan Raghavan, S., (2020) Comparison of rate of orthodontic tooth movement in adolescent patients undergoing treatment by first bicuspid extraction and en-mass retraction, associated with low level laser therapy in passive self-ligating and conventional brackets: A randomized controlled trial. *Int Orthod.* 18(3): 412-423.
- Liao, Z., Elekdag-Turk, S., Turk, T., Grove, J., Dalci, O., Chen, J., Zheng, K., Darendeliler, M. A., Swain, M., dan Li, Q., (2017) Computational and Clinical Investigation on the Role of Mechanical Vibration on Orthodontic Tooth Movement. *J Biomech.* 2017: 1-18.
- Littlewood, S. J. dan Mitchell, L., (2019) *An Introduction to Orthodontics*. Oxford: Oxford University Press. pp 0
- Lombardo, L., Arreghini, A., Ghislanzoni, L. T. H., dan Siciliani, G., (2018) Accelerating aligner treatment using lowfrequency vibration: a single-centre, randomized controlled clinical trial. *Eur J Orthod.* 2018: 1-10.
- Lombardo, G., Vena, F., Negri, P., Pagano, S., Barilotti, C., Paglia, L., Colombo, S., Orso, M., dan Cianetti, S., (2020) Worldwide prevalence of malocclusion in the different stages of dentition: A systematic review and meta-analysis. *Eur J Pediatr Dent.* 21(2): 115-122.
- Lyu, C., Zhang, L., dan Zou, S., (2019) The effectiveness of supplemental vibrational force on enhancing orthodontic treatment. A systematic review. *Eur J Orthod.* 41(5): 502-512.
- Miles, P., (2017) Accelerated orthodontic treatment - what's the evidence? *Aust Dent J.* 62(1): 63-70.



- Miles, P., Fisher, E., Pandis, N., (2018) Assessment of the rate of premolar extraction space closure in the maxillary arch with the AcceleDent Aura appliance vs no appliance in adolescents: A single-blind randomized clinical trial. *Am J Orthod Dentofac Orthop.* 153(1): 8-14.
- Mistry, D., Dalci, O., Papageorgiou, S. N., Darendeliler, M. A., dan Papadopoulou, A. K., (2020) The effects of a clinically feasible application of low-level laser therapy on the rate of orthodontic tooth movement: A triple-blind, split-mouth, randomized controlled trial. *Am J Orthod Dentofac Orthop.* 157(4): 444-453.
- Narmada, I. B., Rubianto, M., dan Putra, S. T., (2019) The Role of Low-Intensity Biostimulation Laser Therapy in Transforming Growth Factor beta1, Bone Alkaline Phosphatase and Osteocalcin Expression during Orthodontic Tooth Movement in Cavia porcellus. *Eur J Dent.* 2019(13): 102-107.
- Nimeri, G., Kau, C. H., Abou-Kheir, N. S., dan Corona, R., (2013) Acceleration of tooth movement during orthodontic treatment - a frontier in Orthodontics. *Prog Orthod.* 14(42): 1-8.
- Ojima, K. dan Kau, C. H., (2017) A perspective in accelerated orthodontics with aligner treatment. *Semin Orthod.* 23(1): 76-82.
- 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. *e-GiGi.* 3(2): 292-297.
- Premkumar, S., (2020) *Essentials of Orthodontics.* 4th ed. Gurgaon: Elsevier. pp 120.
- Proffit, W. R., Fields, H. W., Sarver, D. M., (2013) *Contemporary Orthodontics.* 5th ed. St. Louis: Elsevier. pp 281.
- Qamruddin, I., Alam, M. K., Mahroof, V., fida, M., Khamis, M. F., dan Husein, A., (2017) Effects of low-level laser irradiation on the rate of orthodontic tooth movement and associated pain with self-ligating brackets. *Am J Orthod Dentofac Orthop.* 152(5): 622-630.
- Reiss, S., Chouinard, M. C., Landa, D. F., Nanda, R., Chandhoke, T., Sobue, T., Allereddy, V., Kuo, C., Mu, J., dan Uribe, F., (2020) Biomarkers of orthodontic tooth movement with fixed appliances and vibration appliance therapy: a pilot study. *Eur J Orthod.* 2020: 1-9.
- Santinoni, C. D., Oliviera, H. F. F., Batista, V. E. D., Lemos, C. A. A., dan Verri, F. R., (2017) Influence of low-level laser therapy on the healing of human bone maxillofacial defects: A systematic review. *J Photochem Photobiol B Biol.* 169(2017): 83-89.
- Singh, G., (2015) *Textbook of Orthodontics.* 3rd ed. Daryaganj: Jaypee Brothers Medical Publishers. pp 227-229.



- Siriphan, N., Leethanakul, C., dan Thongudomporn, U., (2019) Effects of two frequencies of vibration on the maxillary canine distalization rate and RANKL and OPG secretion: A randomized controlled trial. *Orthod Craniofac Res.* 22(131): 131-138.
- Sonesson, M., Geer, E. D. Subraian, J., dan Petren, S., (2017) Efficacy of low-level laser therapy in accelerating tooth movement, preventing relapse and managing acute pain during orthodontic treatment in humans: a systematic review. *BMC Oral Health.* 17(11): 1-12.
- Staley, R. N., (2011) *Essentials of Orthodontics Diagnosis and Treatment.* Chichester: Blackwell Publishing. pp 139 dan 229.
- Storniolo-Souza, J., Lima, L. M., Pinzan, A., Alvarez, F., Pereira, S. C. C., dan Janson, G., (2020) *Orthod. Waves.* 1-8.
- Taha, K., Conley, R. S., Arany, P., Warunek, S., dan Al-Jewair, T., (2019) Effects of mechanical vibrations on maxillary canine retraction and perceived pain: a pilot, single-center, randomized-controlled clinical trial. *Odontology.* 2019: 1-10.
- Talwar, G. P., Hasnain, S. E., Sarin, S. K., (2016) *Textbook of Biochemistry, Biotechnology, Allied, and Molecular Medicine.* 4th ed. Delhi: PHI Learning Private Limited, pp 419.
- Uribe, F., Padala, S., Allareddy, V., dan Nanda, R., (2014) Patients', parents', and orthodontists' perceptions of the need for and costs of additional procedures to reduce treatment time. *Am J Orthod Dentofac Orthop.* 145(4): S65-S73.
- Uribe, F., Dutra, E., dan Chandhoke, T., (2017) Effect of cyclical forces on orthodontic tooth movement, from animals to humans. *Orthod Craniofac Res.* 20(1): 68-71.
- Uteturk, S. E., Sarac, M., Firath, S., Can, S. B., Guven, Y., dan Firath, E., (2017) The effect of low-level laser therapy on tooth movement during canine distalization. *Lasers Med. Sci.* 32(4): 757-764.
- Varella, A. M., Revankar, A. V., dan Patil, A. K., (2018) Low-level laser therapy increases interleukin-1beta in gingival crevicular fluid and enhances the rate of orthodontic tooth movement. *Am J Orthod Dentofacial Orthop.* 154(4): 535-544.e5.
- Wishney, M., (2016) The Potential Risks of Orthodontic Therapy: a critical review and conceptual framework. *Aust Dent J.* 62: 86-96.