

DAFTAR PUSTAKA

- Abalos, C., Paul, A., Mendoza, A., Solano, E., Palazon, C., dan Gil, F. J., 2012, Influence of soft drinks with low pH on different Ni-Ti orthodontic archwire surface patterns, *J. Mater. Eng. Perform.*, 22:759-766.
- Abd Al-Hussain, Z. A. dan Nahidh, M., 2021, Carbonated soft drinks and orthodontics: Review of Literature, *Turk. J. Orthod.*, 34(2): 136-142.
- Abdelrahman, R. S., Al-Nimri, K. S., dan Maaitah, E. F. A., 2015, Pain experience during initial alignment with three types of nickel-titanium archwires: A Prospective Clinical Trial, *Angel Orthod.*, 85(6): 1021-1026.
- Aldira, C., Kornialia, dan Andriansyah, 2019, Penilaian tingkat keberhasilan perawatan ortodontik dengan piranti lepasan berdasarkan indeks PAR di RSGM Universitas Baiturrahmah Tahun 2012-2017, *J. Kesehat. Andalas*, 8(4): 27-32.
- Amini, F., Jafari, A., Amini, P., dan Sepasi, S., 2012, Metal ion release from fixed orthodontic appliances—an *in vivo* study, *Eur. J. Orthod.*, 34(1): 126-130.
- Anggraeni, R., Malik, I., dan Hendiani, I., 2011, Gingival and oral hygiene conditions in patients with fixed orthodontic appliance wearers, *PJoD*, 23(2): 131-135.
- Anusavice, K. J., Shen, C., dan Rawls, H. R., 2013, *Phillips' Science of Dental Materials*, 12nd ed, Missouri: Elsevier. hal. 41.
- Ardhana, W., 2013, Identifikasi ortodontik spesialisik dan umum, *Maj. Ked. Gi.*, 20(1): 1-8.
- Ashurst, P. R., Hargitt, R., dan Palmer, F., 2017, *Soft Drink and Fruit Juice Problems Solved* (Woodhead Publishing Series in Food Science, Technology and Nutrition), 2nd ed, Langford Lane: Elsevier. hal 1–3.
- Balali-Mood, M., Naseri, K., Tahergorabi, Z., Khazdair, M. R., dan Sadeghi, M., 2021, Toxic mechanisms of five heavy metals: Mercury, Lead, Chromium, Cadmium, and Arsenic, *Front. Pharmacol*, 12: 1-19.
- Barcelos, A. M., Luna, A. S., dan Ferreira, N. A., 2013, Corrosion evaluation of orthodontic wires in artificial saliva solutions by using response surface methodology, *Mat. Res.*, 16(1): 50-64.
- Brantley, W. A., 2020, Evolution, clinical applications, and prospects of nickel-titanium alloys for orthodontic purposes, *J. World Fed. Orthod.*, 9(3S): S19-S26.
- Castro, S. M., Ponces, M. J., Lopes, J. D., Vasconcelos, M., dan Pollmann, M. C. F., 2015, Orthodontic wires and its corrosion — The specific case of stainless steel and beta-titanium, *J. Dent. Sci.*, 10(1): 1-7.

- Chowdhury, C. R., Shahnawaz, K., Kumari, P. D., Chowdhury, A., Gootveld, M., dan Lynch, E., 2018, Highly acidic pH values of carbonated sweet drinks, fruit juices, mineral waters and unregulated fluoride levels in oral care products and drinks in India: a public health concern, *Perspect. Public Health*, 139(4): 186-194.
- Damle, S. G., Bector, A., dan Saini, S., 2011, The effect of consumption of carbonated beverages on the oral health of children: A study in real life situation, *Pesq. Bras. Odontoped. Clin. Interg.*, 11(1): 35-40.
- Dwivedi, A., Tikuu, T., Khanna, R., Maurya, R. P., Verma, G., dan Murthy, R. C., 2015, Release of nickel and chromium ions in the saliva of patients with fixed orthodontic appliance: A in-vivo study, *Natl. J. Maxillofac. Surg.*, 6(1): 62-66.
- Eliades, T., 2013, *Research Methods in Orthodontics*, London: Springer. hal. 3 dan 8.
- Eliades, T. dan Brantley, W. A., 2017, *Orthodontic Applications of Biomaterials A Clinical Guide*, Oxford: Elsevier. hal. 5.
- Ernata, R. Z., Gayatri, G., dan Suwargiani, A. A., 2020, Correlation of orthodontic treatment motivation and the level of treatment needs based on the index of orthodontic treatment need (IOTN) of orthodontic patients, *PJoD*, 32(3): 182-189.
- Furlan, T. P. R., Barbosa, J. A., dan Basting, R. T., 2018, Nickel, cooper, and chromium release by CuNi-titanium orthodontic archwires is dependent on the pH Media, *J. Int. Oral Health*. 10(5): 224-228.
- Geetha, G., Angelin, J. C., Krishnaveni, S., Karthiga, N., Praveema, J. M., Rajendran, S., dan Thangakani, J. A., 2021, Corrosion resistance of orthodontic wires made of thermo active alloy and SS 18/8 alloy in beverage (hard drink) decreases on dilution with water, *Int. J. Corros. Scale Inhib.*, 14(1): 388-398.
- Ghazal, A. R. A., Hajeer, M. Y., Al-Sabbagh, R., Alghoraibi, I., dan Aldiry, A., 2015, An evaluation of two types of nickel-titanium wires in terms of micromorphology and nickel ions' release following oral environment exposure, *Prog. Orthod.*, 16(9): 1-8.
- Godwill, E. A., Jane, I. C., Scholastica, I. U., Unaegbu, M., Eugene, A. L., dan Amarachukwu, O. G., 2015, Determination of some soft drinks constituents and contamination by some heavy metals in Nigeria, *Toxicol. Rep.*, 2: 384-390.
- Gravina, M. A., Canavarro, C., Elias, C. N., Chaves, M. G. A. M., Brunharo, I. H. V. P., Quintao, C. C. A., 2014, Mechanical properties of NiTi and CuNiTi wires used in orthodontic treatment Part 2: Microscopic surface appraisal and metallurgical characteristics, *Dental Pree J. Orthod.*, 19(1): 69-76.

- Hepdarcan, S. S., Yilmaz, R. B. N., dan Nalbantgil, D., 2016, Which orthodontic wire and working sequence should be preferred for alignment phase? A Review, *Turk. J. Orthod.*, 29(2): 47-50.
- Hisanah, T. S., Kurniawan, F. K. D., dan Wibowo, D., 2017, Perbandingan daya lenteng terhadap jarak posisi koil pegas jari dari basis akrilik, *J. Ked. Gigi*, 1(1): 106-110.
- Hobbelink, M. G., He, Y., Xu, J., Xie, H., Stoll, R., dan Ye, Q., 2015, Synergic effect of wire bending and salivary pH on surface properties and mechanical properties of orthodontic stainless steel archwires, *Prog. Orthod.*, 16(37): 1-7.
- Kamarei, A. R., 2021, Health risks of phosphoric acid in cola drinks, *Int. J. Food Sci.*, 6(4): 13-17.
- Kararia, V., Jain, P., Chaudhary, S., dan Kararia, N., 2015, Estimation of changes in nickel and chromium content in nickel-titanium and stainless steel orthodontic wires used during orthodontic treatment: An analytical and scanning electron microscopic study, *Contemp. Clin. Dent.*, 6(1): 44-50.
- Kassab, E. J. dan Gomes, J. P., 2013, Assessment of nickel titanium and beta titanium corrosion resistance behaviour in fluoride and chloride environments, *Angle Orthod.*, 83(5): 864-869.
- Lin, L. Currier, F., Kadioglu, O., Florez, F. L. E., Thompson, D. M., dan Khajotia, S. S., 2018, Flexural properties of rectangular nickel-titanium orthodontic wires when used as ribbon archwires, *Angel Orthod.*, 89(1): 1-10.
- Littlewood, S. J., Kandasamy, S., dan Huang, G., 2017, Retention and relapse in clinical practice, *Aust. Dent. J.*, 62(1): 51-57.
- Littlewood, S. J. dan Mitchell, L., 2019, *An Introduction to Orthodontics*, 5th ed, Oxford: Oxford University Press. hal. 2, 96, 215 dan 221.
- Liu, J., Lee, T., dan Liu, I., 2011, Effect of loading force on the dissolution behaviour and surface properties of nickel-titanium orthodontic archwires in artificial saliva, *Am. J. Orthod. Dentofac. Orthop.*, 140(2): 166-176.
- Lombo, C. G., Anindita, P. S., dan Juliatri, 2016, Uji pelepasan ion nikel dan kromium pada beberapa bracket *stainless steel* yang direndam di air laut, *J. e-GiGi*, 4(1): 28-32.
- Lubis, H. F., Harahap, K. I., dan Lubis, D. H. N., 2020, Nickel release and microstructure of stainless steel orthodontic archwire surfaces after immersion in detergent and non-detergent toothpaste: An in vitro study, *DJMKG*, 53(2): 67-70.

- Mareci, D., Trinca, L. C., Cotea, V. V., dan Souto, R. M., 2017, Electrochemical studies on the stability and corrosion resistance of two austenitic stainless steels for soft drinks containers, *Int. J., Electrochem. Sci.*, 12: 5438-5449.
- Mihardjanti, M., Ismah, N., dan Purwanegara, 2017, Nickel and chromium ion release from stainless steel bracket on immersion various types of mouthwashes, *J. Phys. Conf. Ser.* 884(1): 1-8.
- Mikulewicz, M., Chijnacka, K., Wozniak, B., dan Downarowicz, P., 2012, Release of metal ions from orthodontic appliances: An in vitro study, *Biol. Trace Elem. Res.* 146(2); 272-280.
- Mikulewicz, M., Wolowiec, P., Loster, B. W., dan Chojnacka, K., 2015, Do soft drinks affect metal ions release from orthodontic appliances?, *J. Trace Elem. Med. Biol.*, 31: 74-77.
- Milella, P. P., 2013, *Fatigue and Corrosion in Metals*, Milan: Springer. hal. 651 dan 658.
- Mirhashemi, A., Jahangiri, S., dan Kharrazifard, M., 2018, Release of nickel and chromium ions from orthodontic wires following the use of teeth whitening mouthwashes, *Prog. Orthod.* 19(4): 1-5.
- Mirjalili, M., Momeni, M., Ebrahimi, N., dan Moayed, M. H., 2013, Comparative study on corrosion behaviour of Nitinol and stainless steel orthodontic wires in simulated solution in presence of fluoride ions, *Mater. Sci. Eng. C*, 33(4): 2084-2093.
- Mitchell, L., 2013, *An Introduction to Orthodontics*, 4th ed, Oxford: Oxford University Press, hal. 219.
- Mlinaric, M. R., Karlovic, S., Ciganj, Z., Acev, D. P., Pavlic, A., dan Spalj, S., 2018, Oral antiseptics and nickel-titanium alloys: mechanical and chemical effects of interaction, *Odontology*, 107(2): 150-157.
- Mocnik, P. dan Kosec, T., 2021, A critical appraisal of the use and properties of nickel-titanium dental alloys, *Materials*, 14: 1-18.
- Naini, F. B. dan Gill, D. S., 2022, *Preadjusted Edgewise Fixed Orthodontic Appliances*, India: Wiley. hal.190.
- Nanjundan, K. dan Vimala, G., 2016, Evaluation of frictional resistance and surface characteristics after immersion of orthodontic brackets and wire in different chemical solutions: A comparative in vitro study, *Indian J. Dent. Res.*, 27(5): 513-520.

- Nayak, R. S, Khanna, B., Pasha, A., Vinay, K., Narayan, A., dan Chaitra, K., 2015, Orthodontic treatment using inductively coupled plasma-mass spectrometer: An *in vivo* study. *J Int Oral Health*, 7(8):14-20.
- Ogawa, C. M., Jr, K. F., Maeda, F. A., Ortolani, C. L. F., Guare, R. O., Cardoso, C. A. B., dan Costa, A. L. F., 2019, In vivo assessment of the corrosion of nickel-titanium orthodontic archwires by using scanning electron microscopy and atomic force microscopy, *Microsc Res. Tech.*, 83(8): 1-9.
- Papageorgiou, S. N., Höchli, D., dan Eliades, T., 2017, Outcomes of comprehensive fixed appliance orthodontic treatment: A systemic review with meta-analysis and methodological overview, *Korean J. Orthod.*, 47(6): 401-413.
- Parenti, S. I., Guicciardi, S., Melandri, C., Sprio, S., Lafratta, E., Tampieri, A., dan Bonetto, G. A., 2012, Effect of soft drinks on the physical and chemical features of nickel-titanium-based orthodontic wires, *Acta Odontol. Scand.*, 70(1):49-55.
- Peralta-Lopez, D., Sotelo-Mazon, O., Henao, J., Porcayo-Calderon, J., Valez, S., Salinas-Solano, G., dan Martinez-Gomez, L., 2017, Electrochemical study of three stainless steel alloys and titanium metal in cola soft drinks, *J. Electrochem., Sci. Technol.*, 8(4): 294-306.
- Phulari, B. S., 2017, *Orthodontics Principles and Practice*, 2th ed, New Delhi: Jaypee Brothers Medical Publishers. hal. 293 dan 294.
- Premkumar, S., 2015, *Textbook of Orthodontic*, India: Elsevier. hal. 2, 6, dan 353.
- Proffit, W. R., Fields, H. W., Larson, B. E., dan Sarver, D. M., 2018, *Contemporary Orthodontics*, 6th ed, Philadelphia: Elsevier. hal. 276 dan 278.
- Pulikkottil, V. J., Chidambaram, S., Bejoy, P. U., Femin, P. K., Paul, P., dan Rishad, M., 2021, Corrosion resistance of stainless steel, nickel-titanium, titanium molybdenum alloy, and ion-implanted titanium molybdenum alloy archwires in acidic fluoride-containing artificial saliva: An *in vitro* study, *J. Pharm. Bioallied. Sci.*, 8(Suppl 1): S96-S99.
- Quadras, D. D., Nayak, U. S. K., Kumari, N. S., Priyadarshini, H. R., Gowda, S., dan Fernandes, B., 2019, In vivo study on the release of nickel, chromium, and zinc in saliva and serum from patients treated with fixed orthodontic appliances, *Dent. Rest. J.*, 16(4): 209-215.
- Reddy, A., Norris, D. F., Momeni, S. S., Waldo, B., dan Ruby, J. D., 2016, The pH of beverages in the United States, *J. Am. Dent. Assoc.*, 147(4):255-63.
- Senkutvan, R. S., Jacob, S., Charles, A., Vadgaonkar, V., Jatol-Tekade, S., dan Gangurde, P., 2014, Evaluation of nickel ion release from various orthodontic arch wires: An *in vitro* study, *J. Int. Soc. Prev. Community Dent.* 4(1): 12-16.

- Sepúlveda, C. H., Gontijo., S. M. L., Santos., L. A., Drummond, A. F., Menezes, L. F. S., Neves, L. S., dan França, E. C., 2019, Influence of heat treatment on the properties of CrNi stainless steel orthodontic wires, *Dental Press J. Orthod.*, 24(1): 68-73.
- Tseng, C. C., Lin, P. Y., Kirankumar, R., Chuang Z. W., Wu, I. H., dan Hsieh, S., 2021, surface degradation effects of carbonated soft drinks on a resin based dental compound, *Heliyon*, 7(3): 1-7.
- Tsomos, G., Ludwig, B., Grossen, J., Pazera, P., dan Gkantidis, N., 2014, Objective assessment of patient compliance with removable orthodontic appliances a cross-sectional cohort study, *Angle Orthod.*, 84(1): 56-61.
- Wang, Y., Liu, C., Jian, F., McIntyre, G. T., Millett, D. T., Hickman, J., dan Lai, W., 2018, Initial arch wires used in orthodontic treatment with fixed appliances (Review), *Cochrane Database Syst. Rev.*, 7(7): 1-74.
- Yunyan, K., Yanfei, Z., dan Min, Z., 2019, A comparison of treatment effectiveness between clear aligner and fixed appliance therapist, *BMC Oral Health*, 19(24): 1-10.