

DAFTAR PUSTAKA

- Abdulmajeed, A. A., Närhi, T. O., Vallittu, P. K., dan Lassila, L. V., (2011) The Effect of High Fiber Fraction on Some Mechanical Properties of Unidirectional Glass Fiber-Reinforced Composite. *Dent Mater.* 27(1): 313-321.
- Albilali, A. T., Baras, B. H., dan Aldosari, M. A., (2023) Evaluation of Mechanical Properties of Different Thermoplastic Orthodontic Retainer Materials after Thermoforming and Thermocycling. *Polymers.* 15: 1610.
- Amiandamhen, S. O., Meincken, M., dan Tyhoda, L., (2020) Natural Fibre Modification and Its Influence on Fibre-matrix Interfacial Properties in Biocomposite Materials. *Fibers Polym.* 21(4): 677-689.
- Annousaki, O., Zinelis, S., Eliades, G., dan Eliades T. (2017) Comparative Analysis of The Mechanical Properties of Fiber and Stainless Steel Multistranded Wires Used for Lingual Fixed Retention. *Dent Mater*, 33(5): e205–e211.
- Anusavice, K. J., Shen, C., dan Rawls, R. H., (2013) *Phillips' Science of Dental Material*. 13th ed. Elsevier. Missouri. pp. 53-55, 277-281, dan 286-291.
- Avcilar, I. H., dan Bakir, S., (2023) Use of Fiber-Containing Materials in Restorative Dentistry. *J Dent Sci Educ.* 1(2): 49-54.
- Bhat, G., (2017) *Structure and Properties of High-Performance Fibers*. Woodhead Publishing. pp. 167-168 dan 174-175.
- Chacón-Moreno, A., Ramírez-Mejía, M. J., dan Zorrilla-Mattos, A. C., (2022) Relapse and Inadvertent Tooth Movement Post Orthodontic Treatment in Individuals with Fixed Retainers: A Review. *Rev. Cient. Odontol.* 10(3): 1-8.
- Chen, S., Liu, M., Huang, H., Cheng, L., dan Zhao, H. P., (2019) Mechanical Properties of *Bombyx mori* Silkworm Silk Fibre and Its Corresponding Silk Fibroin Filament: A Comparative Study. *Mater. Des.* 181: 1-11.
- Chhetri, S. dan Bougherara, H., (2021) A Comprehensive Review on Surface Modification of UHMWPE Fiber and Interfacial Properties. *Compos. Part A Appl. Sci. Manuf.* 140: 1-14.
- Chung, S. M., Yap, A. U. J., Tsai, K. T., dan Yap, F. L., (2004) Elastic Modulus of Resin-Based Dental Restorative Materials: A Microindentation Approach. *J. Biomed. Mater. Res. Part B Appl. Biomater.* 72(2): 246-253.
- Chun, K. J., dan Lee, J. Y., (2014) Comparative Study of Mechanical Properties of Dental Restorative Materials and Dental Hard Tissues In Compressive Loads. *J Dent Biomech.* 5: 1-6.
- Daniel, W. W. dan Cross, C. L., (2019) *Biostatistics: A Foundation for Analysis in The Health Sciences*. 11th ed. John Wiley & Sons, Inc. pp.182.

- Ellakwa, A. E., Shortall, A. C., dan Marquize, P. M., (2002) Influence of Fiber Type and Wetting Agent on The Flexural Properties of An Indirect Fiber Reinforced Composite. *J Prosthet Dent*. 88(5): 485-490.
- Firlej, M. Zaborowicz, K., Zaborowicz, M., Firlej, E., Domagała, I., Pieniak, D., Igielska-Kalwat, J., Dmowski, A., dan Biedziak, B., (2022) Mechanical Properties of 3D Printed Orthodontic Retainers. *Int. J. Environ. Res. Public Health*. 19(9): 1-11.
- Fransiska, A., Sunarintyas, S., dan Dharmastiti, R., (2019) Effect of *Bombyx mori* Silk-Fiber Volume on Flexural Strength of Fiber-Reinforced Composite. *Maj Ked Gi Ind*. 4(2): 75-81.
- Fransiska, A., Sunarintyas, S., dan Dharmastiti, R., (2023) Effect of Bombyx Mori Silk Fiber Volumetric on Water Sorption of Fiber-reinforced Composite. *Open Dent. J*. 17: 1-7.
- Garoushi, S., dan Vallittu, P., (2006) Fiber-Reinforced Composites in Fixed Partial Dentures. *Libyan J Med*. 1(1): 73-82.
- Ho, M. P., Wang, H., Lau, K. T., Lee, J. H., dan Hui, D., (2012) Interfacial Bonding and Degumming Effects on Silk Fibre/Polymer Biocomposites. *Compos. B. Eng*. 43(7): 2801-2812.
- Inchingolo, F., Inchingolo, A. M., Ceci, S., Carpentiere, V., Garibaldi, M., Riccaldo, L., Di Venere, D., Inchingolo, A. D., Malcangi, G., Palermo, A., Tartaglia, F. C., dan Dipalma, G., (2023) Orthodontic Relapse After Fixed or Removable Retention Devices: A Systematic Review. *Appl. Sci*. 13(20): 1-19.
- ISO 4049, (2000) *Dentistry – Polymer-Based Filling Restorative and Luting Materials*. Geneva: International Organization for Standarization. pp. 15-17.
- Kementerian Kesehatan Republik Indonesia, (2018) *Laporan Nasional Riskesda*. Sekretariat Badan Litbang Kesehatan. Jakarta Pusat: LPB. pp. 187.
- Khanam, P. N. dan AlMaadeed, M. A. A., (2015) Processing and Characterization of Polyethylene-Based Composites. *Advanced Manufacturing: Polymer and Composites Science*. 1(2): 63-79.
- Khurshid, Z., Najeeb, S., Zafar, M. S., dan Sefat, F., (2019) *Advanced Dental Biomaterial*. Woodhead Publishing. pp. 128-134, 302, dan 306-3011.
- Kim, M. J., Jung, W. C., Oh, S., Hattori M., Yoshinari, M., Kawada, E., Oda, Y., dan Bae, J. M., (2011) Flexural Properties of Three Kinds Oo Experimental Fiber-Reinforced Composite Posts. *Dent Mater*. 30(1): 38-44.
- Kurtz, S. M., (2016) *UHMWPE Biomaterials Handbook Ultra-High Molecular Weight Polyethylene in Total Joint Replacement and Medical Devices*. 3rd Ed. Elsevier Inc. pp. 2-3 dan 402.
- Liu, S., Silikas, N., dan EI-Angbawi, A., (2022) Analysis of The Effectiveness of

The Fiber-Reinforced Composite Lingual Retainer: A Systematic Review and Meta-Analysis. *Am J Orthod Dentofacial Orthop.* 162(5): 601-615.

Lyros, I., Tsolakis, I. A., Maroulakos, M. P., Fora, E., Lykogeorgos, T., Dalampira, M., dan Tsolakis, A. I., (2023) Orthodontic Retainers — A Critical Review. *Children.* pp. 1-18.

Mangoush, E., Säilynoja, E., Prinssi, R., Lassila, L., Vallittu, P. K., dan Garoushi, S., (2017) Comparative Evaluation Between Glass and Polyethylene Fiber Reinforced Composites: A Review of The Current Literature. *J. Clin. Exp. Dent.* 9(12): e1408-e1417.

Marissen, R., (2011) Design with Ultra Strong Polyethylene Fibers. *Mater. sci. appl.* 2(5): 319-330.

Nagani, N. I. dan Ahmed, I., (2020) Effectiveness of Two Types of Fixed Lingual Retainers in Preventing of Mandibular Incisor Relapse. *J Coll Physicians Surg Pak.* 30(3): 282-286.

Patel, M., Dubey, D. K., dan Singh, S. P., (2020) Phenomenological Models of *Bombyx mori* Silk Fibroin and Their Mechanical Behavior Using Molecular Dynamics Simulations. *Mater. Sci. Eng. C.* 108: 1-20.

Pereira, R. F. P., Silva, M. M., dan Bermudez, V., (2015) *Bombyx mori* Silk Fibers: An Outstanding Family of Materials. *Macromol. Mater.* 300: 1171-1198.

Puspita S., Sunarintyas, S., Mulyawati, E., Anwar, S., Sukirno, dan Soesatyo, M., (2020) Molecular Weight Determination and Structure Identification of *Bombyx mori* L. Fibroin as Material in Dentistry. *AIP Conf Proc.* 2260(1): 1-5.

Rajak, D. K., Pagar, D. D., Menezes, P. L., dan Linul, E., (2019) Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications. *Polymers.* 11(10): 1667.

Raju, A. dan Shanmugaraja, M., (2019) Recent Researches in Fiber Reinforced Composite Materials: A Review. *Materials Today: Proceedings.* 46: 9291-9296.

Sakaguchi, R. L., Ferracane, J. L., dan Powers, J. M., (2019) *Craig's Restorative Dental Materials.* 14th ed. Elsevier Inc. pp. 35-36, 63, 135-136, 144-147, dan 149-153.

Scribante, A., Sfondrini, M. F., Broggini, S., D'Allocco, M., dan Gandini, P., (2011) Efficacy of Esthetic Retainers: Clinical Comparison between Multistranded Wires and Direct-Bond Glass Fiber-Reinforced. *Int. J. Dent.* 1: 1-5.

Composite Splints

Sepe, R., Bollino, F., Boccarusso, L., dan Caputo, F., (2018) Influence of Chemical Treatments on Mechanical Properties of Hemp Fiber Reinforced Composites. *Compos. B. Eng.* 133: 210-217.

- Seydibeyoğlu, M. Ö., Mohanty, A. K., dan Misra, M., (2017) *Fiber Technology for Fiber-Reinforced Composites*. Woodhead Publishing. pp. 51-53 dan 56-61.
- Sfondrini, M. F., Vallittu, P. K., Lassila, L. V. J., Viola, A., Gandini, P., dan Scribante, A. (2020) Glass Fiber Reinforced Composite Orthodontic Retainer: In Vitro Effect of Tooth Brushing on The Surface Wear and Mechanical Properties. *Materials*. 13(5): 1–13.
- Sobieraj, M. C. dan Rimnac, C. M., (2009) Ultra High Molecular Weight Polyethylene: Mechanics, Morphology, and Clinical Behavior. *J Mech Behav Biomed*. 2(5): 433-443.
- Sunarintyas, S., Irnawati, D., Harsini, Rinastiti, M., dan Nuryono, (2023) Impregnation of Various Fiber Tapes Toward Mechanical Properties of Dental Fiber-Reinforced Composites. *Maj Ked Gi Ind*. 9(1): 16-21.
- Suzaki, N., Yamaguchi, S., Hirose, N., Tanaka, R., Takahashi, Y., Imazato, S., dan Hayashi, M., (2020) Evaluation of Physical Properties of Fiber-Reinforced Composite Resin. *Dent Mater*. 6:987-996.
- Ude, A. U., Eshkoor, R. A., Zulkifili, R., Ariffin, A. K., Dzuraidah, A. W., dan Azhari, C. H., (2014) Bombyx mori Silk Fibre and Its Composite: A Review of Contemporary Developments. *Mater. Des*. 57: 298-305.
- Vallittu, P. dan Özcan, M. (2017) *Clinical Guide to Principles of Fiber-Reinforced Composites in Dentistry*. Woodhead Publishing. pp. 191.
- Várdai, R., Lummerstorfer, T., Pretschuh, C., Jerabek, M., Gahleitner, M., Faludi, G., Móczó, J., dan Pukánszky, B., (2020) Comparative Study of Fiber Reinforced PP Composites: Effect of Fiber Type, Coupling, and Failure Mechanisms. *Compos. Part A Appl. Sci. Manuf*. 133: 1-9.
- Widyasrini, D. A., Annisa, M., Sunarintyas, S., dan Harsini, (2023) Flexural Strength and Hardness of Short-Silk Fiber-Reinforced Composite with Silane Addition. *J Int Oral Healt*. 15(6): 516-522.
- Widyasrini, D. A. dan Sunarintyas, S., (2020) Effects of Alkalisiation and Volume Fraction Reinforcement of *Bombyx mori* Silk Fibre on The Flexural Strength of Dental Composite Resins. *Dent. J*. 53(2): 57-61.
- Yang, G., Park, M., dan Park, S. J., (2019) Recent Progresses of Fabrication and Characterization of Fibers-Reinforced Composites: A Review. *Compos. Commun*. 14: 34-42.