

DAFTAR PUSTAKA

- Abdulmajeed, A.A., Narhi, T.O., Vallitu, P.K., dan Lassila L.V., 2011, The Effect of High Fiber Fraction on Some Mechanical Properties of Unidirectional Glass Fiber-Reinforced Composite. *J. Dent. Materials.* 27 : 313-321.
- ADMET., 2015, Expert 2600 Universal Testing Sy Conigured for Plastic Testing. <http://admet.com/materials/plastics-elastomers-testing/expert-2600-plastic-testing/>. diunduh 5 Februari 2015.
- AGC., 2014, All about Glass, <http://www.yourglass.com/agc-glass-europe/gb/en/toolbox/pocket/2/All-about-glass.pdf>.diunduh tanggal 9 November 2014.
- Agrawal, M., Practicioner, P., dan Vadodara., 2014, Application of Ultrahigh Molecular Weight Polyethylene Fibres in Dentistry : A Review Article. *J. of Adv. Med. and Dent. Sci. Research.* 2(2) : 95-98.
- Al-Darwish, M., dan Hurley, R.K., dan Drummond, J.L., 2007, Flexure Strength Evaluation of A Laboratory-Processed Fiber Reinforced Composite Resin. *The J. of Prosth. Dentistry.* 97(5) : 266-267.
- Al-Habahbeh, R., 2007, Water Absorption and Solubility of Provisional Crown and Bridge : The Effect of The Inclusion of Polyethylene Fibers. *JRMS.* 14(1) : 22-25.
- Alla, R.K., Sajjan, S., Alluri, V.R., Ginjupalli, K., dan Upadhya, N., 2013, Influence of Fiber Reinforcement on The Properties of Denture Base Resins. *J. of Biomat. and Nanobiotech.* 4 : 91-97.
- Al-Quran, F.A., Al-Ghalayini, R.F., dan Al-Zu'bi, B.N., 2011, Single-Tooth Replacement: Factors Affecting Different Prosthetic Treatment Modalities. *BMC Oral Health.* 11(34): 1-7.
- Anussavice, K.J., 2003, *Philips' Science of Dental Materials.* 11th ed. Elsevier : St. Louis, Missouri. 89-90.
- Anussavice, K.J., 2003, *Buku Ajar Ilmu Bahan Kedokteran Gigi(terj.).* 10thed. EGC. Jakarta. Hal 54-55.
- Ayna, E., dan Celenk, S., 2005, Use of an Alternative Pontic Foundation Technique for A Fiber-Reinforced Composite Fixed Partial Denture : A Clinical Report. *The J. of Prosth. Dentistry.* 93(5) : 412.

- Badan Standarisasi Nasional., 2008, *Pengujian Berat Jenis dan Penyerapan Air Agregat Kasar*. Standar Nasional Indonesia. SNI, ICS 91. 100. 15.91.010.30.
- Bagherpour, S., 2012, Fiber Reinforced Polyester Composites. *INTECH*. 137-138.
- Balaguru, V., Ganesh, T.N., Jappes, J.T.W., dan Siva I., 2009, Effect of Water Absorption on The Mechancial Properties of Fiber Reinforced Polyester Composite. *IJAEA*. 2(2) : 5-9.
- Cenci, M.S., Rodolpho, P.A., Pereira-Cenci, T., Del Bel Cury, A.A., dan Demarco, F.F., 2010, Fixed Partial Dentures in an Up to 8-Year Follow Up. *J.App. Oral Sci*. 18(4) : 364-71.
- Chafaie, A., dan Portier, R., 2004, Anterior Fiber-Reinforced Composite Resin Bridge : A Case Report. *Pediatric Dentistry*. 26(6) : 530-534.
- Chai, J., Takashi, Y., dan Hisama, K., 2004, Water Sorption And Dimensional Stability of Three Glass Fiber-Reinforced Composites. *The Int. J. Of Prosth*. 17(2) : 195-199.
- Chemistry Encyclopedia., Electroplating Chemical. <http://www.chemistryexpalined.com/Ge-Hy/Glass.html>. diunduh 29 Maret 2015.
- Chzechze., 2011, What is Difference in a Dental Bridge and a Removable Partial Denture?. <http://www.intelligentdental.com/2011/05/01/what-is-the-difference-in-a-dental-bridge-and-a-partial/>. diunduh 7 Januari 2015.
- Craddock, H.L., 2009, Consequences of Tooth Loss : 1. The Patient Perspective-Aesthetic and Functional Implications. *Dental Update*. 36 : 616-619.
- Daniel, W.W., dan Cross, C.L., 2013, *Biostatistics : A Foundation for Analysis in The Health Science*. 10thed. John Wiley and Sons, Inc. New York. 204.
- Denkist., 2009, Material Safety Data Sheet. http://www.tablazat.hu/images/upload/products/005msdscharmfil_flow.pdf. diunduh 3 Maret 2015.
- Devaux, E., dan Caze, C., 1999, Composites Of UHMW Polyethylene Fibres in A LD Polyethylene Matrix. I. Processing Condition. *J.Comp. Sci. and Tech*. 59 : 459-466.
- Dhakal, H.N., Zhang, Z.Y., dan Richardson, M.O.W., 2007, Effect of Water Absorption on the Mechanical Properties of Hemp Fibre Reinforced Unsaturated Polyester Composites. *J. Comp. Sci and Tech*. 67 : 1674-168

- Dow Corning., 2009, *Fiberglass and Composites*. <http://www.xiameter.com>. diunduh tanggal 27 Januari 2015.
- Duymus, Z. Y., Karaalioglu, F. O., Suleyman, F., 2014, Flexural Strength of Provisional Crown and Fixed Partial Denture Resins both with and without Reinforced Fiber. *J of Mat. Sci. and Nanotech.* 1(3) : 1-4.
- Emami, E., Souza, R.F, Kabaawat, M., dan Feine, J.S., 2013, The Impact of Edentulism on Oral and General Health. *Int.J. Dent* 1-4.
- Errajhi, O.A.Z., Osborne, J.R.F., Richardson, M.O.W., dan Dhakal, H.N., 2005, Water Absorption Characteristics of Aluminised E-Glass Fibre Reinforced Unsaturated Polyester Composites. *J. Comp. Struct.* 71 : 333-336.
- Fonseca, R.B., Favarao, I.N., Kasuya, A.V.B., Abrao, M., Luz, N.F.M., dan Naves, L.Z., 2014, Influence of Glass Fiber Wt% And Silanization on Mechanical Flexural Strength of Reinforced Acrylics. *J. of Mat. Sci and Chem. Eng.* 2 ; 11-15.
- Fonseca, R.B., Marques, A.S., Bernades, K.O., Carlo, H.L., dan Naves, L.Z., 2014, Effect of Glass Fiber Incorporation on Flexural Properties of Experimental Composites. *Biomed Research Int.* 1-6.
- Freilich, M.A., Meiers, J.C., Duncan, J.P., dan Goldberg, A.J., 2000, *Fiber-Reinforced Composites in Clinical Dentistry*. Quintessence Publishing Co., Chicago. 1-25.
- Gajewski, V.E.S., Pfeifer, C.S., Froes-Salgado, N.R.G., Boaro LCC, dan Braga RR., 2012, Monomer Used in Resin Composites : Degree of Conversion, Mechanical Properties and Water Sorption/ Solubility. *Braz. Dent. J.* 23(5) : 508-514.
- Garoushi, S., dan Vallittu, P., 2006, Fiber-Reinforced Composites in Fixed Partial Dentures. *Libyan J of Med.* 1(1) : 73-81.
- Gladwin, M., dan Bagby, M., 2013, *Clinical Aspect of Dental Materials. Theory, Practice and Cases*. 4th ed. Wolters kluwer : Philadelphia. 37, 41.
- Goroushi, S.K., Lassila, L.V.J., dan Vallittu, P.K., 2000, Short Fiber Reinforced Composite: The Effect of Fiber Length and Volume Fraction. *The J Contemporary Dent. Pract.* 7(5) : 1-10.
- Hamer, D. W., 2004, Partial Dentures. <http://www.hammerdental.com/partials1.htm>. diunduh 9 Juni 2015.

- Haralur, S.B., dan Al-Shahrani, O.S., 2014, Replacement of Missing Anterior Teeth in A Patient With Temporomandibular Disorder. *Case Reports in Dent.* 1-4.
- ISO 10477., 2004, *Dentistry – Polymer-Based Crown and Bridge Materials.* 2nd ed. International Organization for Standarization, Geneva, Switzerland
- ISO 4049., 1999. Technical Committee 106-dentistry, sub-comittee 1. In: Filling and restorative materials dalam Wei, Y., Silikas, N., Zhang, Z., dan Watts, D.C., 2013, The Relationship between Cyclic Hygroscopic Dimensional Changes and Water Sorption/Desorption of Self-Adhering and New Resin-Matrix Composites. *Dental Materials* 29: e218-e226.
- Jayasingha, R.M., Tilakaratne, A., Amarasena, N., Mack, F., dan Anandamoorthy, T., 2013, Impact of Marginal Contact of Removable Acrylic Partial Dentures on Periodontal Parameters. *Int J. of Research in Med and Health Sci.* 1(3) :1-5.
- Johnson, T., 2015, Uses of Fiberglass. <http://composite.about.com/od/aboutglass/a/Uses-Of-Fiberglass.htm>. diunduh 16 April 2015.
- Juloski, J., Beloica, M., Goracci, C., Chieffi, N., Giovannetti, A., Vichi, A., Vulicevic, Z.R., dan Ferrari, M., 2012, Shear Bond Strength to Enamel and Flexural Strength of Different Fiber-Reinforced Composites. *J.Adhes. Dent.* 14(10) : 1-8.
- Junior, A.A., Lopes, M,W., Gaspar, G.S., dan Braz, R., 2009, Comparative Study of Flexural Strength and Elasticity Modulus in Two Types of Direct Fiber-Reinforced Systems. *Braz. Oral Res.* 23(3) : 236-40.
- Karlsson, S., dan Jonson, B., 2010, The Technology of Chemical Glass Strengthening-A Review. *Eur.J.Glass Sci. Technol. A.* 51 (2) : 41-54.
- Kaw, A.K., 2006, *Mechanics of Composite Materials.* 2nd ed. CRC : New York. 14-22.
- Khan, A.S., Azam, M.T., Khan, M., Mian, S.A., dan Rehman, I.U., 2015, An Update on Glass Fiber Dental Restorative Composite : A Systematic Review. *Material Sci. and Eng. C.* 47 : 26-39.
- Kogel, J.E., Trivedi, N., Barker, J.M., dan Krukowski, S.T., 2006, *Industrial Minerals & Rock-Commodities, Markets and Uses.* 7thed. Society for mining, metallurgy and exploration Inc. 1369-1374.

- Krzejmien, J., dan Baron, S., 2013, Axiographic and Clinical Assessment of Temporomandibular Joint Function in Patient With Partial Edentulism. *Acta of Bioengineering and Biomechanics*. 15(1) : 19-20.
- Kulshreshtha, A. K., dan Vasile, C., 2002, *Handbook of Polymer Blends and Composites*. 2thed. Rapra Technology : Shawbury. 139.
- Kuroda, S., Yokoyama, D., Shinya, A., Gomi, H., dan Shinya, A., 2012, Measuring The Effects of Water Immertion Conditions on The Durability of Fiber-Reinforced Hybrid Composite Resin Using Static and Dynamic Tests. *Dent Mat J*. 31(3) : 449-457.
- Lakshmi, S., 2010, *Preclinical Manual of Prosthodontics*. Elsevier : India.
- Lassila, L.V.J., Nohrstrom, T., dan Vallittu, P.K., 2002, The Influence of Short-Term Water Storage on The Flexural Properties of Unidirectional Glass Fiber-Reinforced Composites. *J. Biomat*. 23 : 2221-2229.
- Li, H., Meng, J., dan Richards, C.A., 2012, Alkaline Earth Aluminosilicate Glass : Route to High Modulus Fiber Reinforced Composites. *Int. Fiber Glass Symposia*. 1-7.
- Loncar, A., Vojvodic, D., Jerolimov, V., Komar, D., dan Zabarovic, D., 2008, Fiber Reinforced Polymers Part II: Effect on Mechanical Properties. *Acta Stomatologica Croatica*. 42(1) : 49-63.
- Mallick, P.K., 2008, *Fiber Reinforced Composites. Materials, Manufacturing and Desain*. 3th ed CRC Press : Franc.
- Marissen, R., 2011, Design With Ultra Strong Polyethylene Fibers. *Materials Sciences and Application*. 2 : 319.
- McCabe, J.F., dan Walls, A.W.G., 2008, *Applied Dental Materials*. 9th ed. Blackweel : Hongkong. 195-199.
- Meric, G., dan Ruyter, E., 2008, Influence of Thermal Cycling on Flexural Properties of Composites Reinforced with Unidirectional Silica-Glass Fibers. *Dent. Materials*. 24 : 1050-1057.
- Mohan, S., Gurtu, A., Singhal, A., dan Guha, C., 2012, Fibre Reinforced Composite- A Review and Case Report. *Journal of Dent Sci & Oral Rehabilitation*. 45-47.
- Mosharraf, R., dan Givechian, P., 2012, Effect of Fiber Position and Orientation on Flexural Strength of Fiber Reinforced Composite. *JIDA*. 24(1) : 21-27.

- Mosharraf, R., dan Torkan, S., 2012, Fracture Resistance of Composite Fixed Partial Dentures Reinforced with Pre-Impregnated and Non-Impregnated Fibers. *J. of Dent Research, Dent clinics, Dent Prospects*. 6(1) : 13.
- Naveen, S.K.S., Sing, M.J.P., Viswambaran, C.M., dan Dhiman, C.R.K., 2012, Evaluation of Flexural Strength of Resin Interim Restorations Impregnated with Various Type of Silane Treated and Untreated Glass Fibres. *Med. J.Armed Forces India*. 1-6.
- Ozcan, M., 2003, Fracture Reasons in Ceramic-Fused-to-Metal Restorations. *J. of Oral Rehabilitation*. 30 : 265-269.
- Pavicic, D.K, Lajnert, V., Kocijan, S.S., Uhac, I., Glavicic, S., dan Kovac, Z., 2013, The Effect of Frequent Removable Partial Denture Wearing on Alveolar Bone Resorption. *Medicinski glasnik*. 10 (2) : 373-376.
- Piovesan E.M., Demarco F.F., dan Piva E., 2006, Fiber-Reinforced Fixed Partial Dentures : A Preliminary Retrospective Clinical Study. *J. App Oral Sci*. 14(2) : 100-4.
- Pope, L., 2011, Fibre Reinforced Composites. <http://www.ppdentistry.com/dental-product-news/article/fibre-reinforced-composites>. diunduh 15 Maret 2015.
- Rapp, C. F., dan Mattson, S. M., 2001, Glass Fiber Composition. *Patent EP1027298A4*. 1-6.
- Raszewski, Z., dan Nowakowska, D., 2013, Mechanical Properties of Hot Curing Acrylic Resin after Reinforced with Different Kinds Of Fibers. *Int. J. of Biomed. Mat Research*. 1(1) : 9-13.
- Roberson, T.M., Heymann, H.O., dan Swift, E.J., 2006, *Studevant's Art and Science of Operative Dentistry*. 5th ed. Mosby : St. Louis Missouri. 144.
- Rocha, E.P., Luvizuto, E.R., dan Sabotto, S.F., 2009, Biofilm Formation and Caries Incidence with Removable Partial Dentures. *Dentistry Today*. 108(1) : 1-4.
- Rodan, R., Al-Jabrah, O., dan Ajarmah, M., 2012, Adverse Effects of Removable Partial Dentures on Periodontal Status and Oral Health of Partially Edentulous Patients. *J. of The Royal Medic. Serv*. 19(3) : 54-58.
- Sadaf, A., Yazdanie, N., dan Ibrahim, A., 2012, Evaluation of Oral Function after Removable Partial Denture Therapy. *Pakist. Oral & Dent. J*. 32(3) : 561-563.

- Sakaguchi, R.L., dan Power, J.M., 2012, *Craig's Restorative Dental Materials*. 3th ed. Elsevier : Philadelphia. 70, 84-85.
- Sari, W.P., Sumantri, D., Imam, D. N. A., dan Sunarintyas, S., 2014, Pemeriksaan Komposisi *Glass Fiber* Komersial dengan Teknik *X-Ray Fluoresence Spectrometer (XRF)*. *J. B-Dent*. Vol 1 (2) : 151-160.
- Sharefeddin, F., Alavi, A.A., dan Talei, Z., 2013, Flexural Strength of Glass and Polyethylene Fiber Combined with Three Different Composites. *J. Dent. Shiraz. Univ. Med. Sci.* 14(1) : 13-19.
- Shi, L., dan Fok, A.S.L., 2009, Structural Optimization of The Fibre-Reinforced Composite Substructure in A Three-Unit Dental Bridge. *J. Dent. Mat.* 25 : 791-801.
- Shimura, Y., Wadachi, J., Nakamura, T., Mizutani, H., dan Igarashi, Y., 2010, Influence of Removable Partial Dentures on The Formation of Dental Plaque on Abutment Teeth. *J. of Prosth. research.* 54 : 29-35.
- Sideridou, I., Tserki, V., dan Papanastasiou, G., 2003, Study of Water Sorption, Solubility and Modulus of Elasticity of Light-Cured Dimethacrylate-Based Dental Resins. *Biomaterials.* 24: 655-665.
- Sideridou, I., Tserki, V., dan Papanastasiou, G., 2003, Study of Water Sorption, Solubility and Modulus of Elasticity of Light-Cured Dimethacrylate-Based Dental Resins. *Biomaterials.* 24: 655-665.
- Singh, S., Kumar, P., dan Jain, S.K., 2013, An Experimental and Numerical Investigation of Mechanical Properties of Glass Fiber Reinforced Epoxy Composite. *Adv. Mat. Lett.* 4(7) : 567-572.
- Sinkiewicz, D., 2013, Bridging The Gap Between Porcelain and Fibre-Reinforced Composite Bridges. *Dental Tribune.* 16-18.
- Soanca, A., Bondor, C.I., Moldovan, M., Roman, A., dan Rominu, M., 2011, Water Sorption and Solubility of an Experimental Dental Material : Comparative Study. *App. Med. Informatics.* 29(4) : 27-33.
- Stromberg., 2012, Glass Fiber Reinforced Gypsum. <http://www.strombergarchitectural.com/materials/gfrg>. diunduh 16 April 2015.
- Taj, S., Munawar, M.A., dan Khan, S., 2007, Natural Fiber-Reinforced Polymer Composites. *Proc Pakistan Acad. Sci.* 44(20) : 129-144.

- The Academy of Prosthodontics., 2005, *The Glossary of Prosthodontic Terms*. 8th ed. *J. Prosthet Dent*. 94:60
- Trushkowsky, R., 2009. *A Transformation-Toughened Polycrystalline Ceramic Posterior Inlay/Onlay Fixed Partial Denture*. <http://www.dentistryindia.net/article.php?id=2758>. Diunduh 7 Januari 2015.
- Tuloglu, N., Bayrak, S., dan Tunc, E.S., 2009, Different Clinical Applications of Bondable Reinforcement Ribbond In Pediatric Dentistry. *Europ. J of Dent*. 9 : 329-333.
- Turker, S.B., dan Sener, I.D., 2008, Replacement of A Maxillary Central Incisor Using A Polyethylene Fiber Reinforced Composite Resin Fixed Partial Denture : A Clinical Report. *The J. of Prosth Dent*. 100 : 254.
- Vallittu, P.K., *Interpenetrating Polymer Networks (Ipn) In Dental Polymers and Composites dalam Matinlinna JP, Mittal KL., 2009, Adhesion Aspects in Dentistry*. CRC Press : Netherlands. 63-73.
- Vallittu, P.K., *Glass Fiber in Fiber-Reinforced Composites dalam Matinlinna JP., 2014, Handbook of Oral Biomaterials*. Pan Stanford publishing : Singapore. 255-270.
- VanNoort, R., 2002, *Introduction to Dental Materials*. 2nd ed. Mosby wolfe: London. 61-62.
- Wallenberger, F.T., dan Bingham, P.A., 2010, *Fiberglass and Glass Technology. Energy-Friendly Composition and Application*. Springer-Verlag : New York. 45
- Wallenberger, F.T., Watson, J.C., dan Hong Li., 2001, *Glass Fibers. ASM international*. 21 : 27-30.
- Wang, R., Zheng, S., dan Zheng, G., 2011, *Polymer Matrix Composites and Technology*. Elsevier : St.Louis, Missouri. 33-44.
- Zguris, G., Windisch, J. D., Svoboda, P., dan Vulfson, Y., 2004, *Glass Compositions. Paten WO 2004011379 A2*. 1-12.
- Zhang, M., dan Matinlinna, J.P., 2012, E-Glass Fiber Reinforced Composites in Dental Applications. *Silicon*. 1-5.
- Zhang, X., Wang, Y., Lu, C., dan Cheng, S., 2011, Interfacial Adhesion Study on UHMWPE Fiber-Reinforced Composites. *Polym. Bull*. 67 : 527-540.

Zhang, Y., Cao, G., Zhang, B., Zhang, L., Xing, W., dan Gu, G., 2010, Glass Fiber Composition. *Paten CA2745050A1*. 1-6.

Zhu, D., Wang, Y., Zhang, X., dan Cheng, S., 2010, Interfacial Bond Property of UHMWPE Composite. *Polym. Bull.* 65 : 35-44.