

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, *Journal Dental Materials*, 27: 313-321.
- Agrawal, M., Practicioner, P. dan Vadodara, 2014, Application of Ultrahigh Molecular Weight Polyethylene Fibers in Dentistry : A review Article. *J. of Adv. Med. And Dent. Sci. Research*, 2(2): 95-98
- Alla, R.K., Sajjan, S., Alluri. V.R., Ginjupalli, K. dan Upadhy, N., 2013. Influence of Fiber Reinforcement on The Properties of Denture Base Resins, *Journal of Biomaterials and Nanobiotechnology*, 4: 91-97.
- Anusavice, K.J., 2003, *Philips' Science of Dental Materials*, 11th ed. Elsevier : St. Louis, Missouri, 51
- ASTM D695 - 10, 2010, Standart Test Method for Compressive Properties of Rigid Plastics, *ASTM International*, United State
- Bresciani, E., Barata, T.D.E., Fagundes, T.C., Adachi, A., Terrin, M.M., dan Navarro, M.F.D., 2004, Compressive and Diametral Tensile Strength of Glass Ionomer Cement, *Journal Application Oral Science*, 12 (4): 1-9
- Bona, A.D., Benetti, P., Borba, M., dan Cecchetti, D., 2008, Flexural and Diametral Tensile Strength of Composite Resins, *Brazilian Oral restoration*, 22 (1): 84-89.
- 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, 207-210.
- Ferracane, J.L., 2006, Hygroscopic and Hydrolityc Effect in Dental Polymer Network, *Dental Material* , 22: 211-222
- Ferracane, J.L., 2010, *Resin Composites – State of The Art*, Department of Restorative Dentistry , Oregon Health & Science University, USA, 1 : 9.
- 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 International*, 1-6
- Fonseca, R.B., Paula, M.S., Favarao, Z.N., Kasuya, A.V.B., Almaida, L.N., Mendes, G.A.M., dan Carlo, H.L., 2014, *Reinforcement of Dental Methachrylate with Glass Fiber After Heated Silane Application*, Biomed Research International, 1-4.

- Freilich, M.A., Meiers, J.C., Duncan, J.P., dan Goldberg, A.J., 2000, *Fiber Reinforced Composites in Cinical Dentistry*, Quintessence Publishing Co.,Chicago, 1-25
- Gajewski, V.E.S., Pfeifer, C.S., Salfado, N.R.G., Boaro, L.C.C. dan Braga, R.R., 2012, Monomers 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 Journal of Medicine*. 1(1): 73-81
- Garaushi, S., Lassilla, L., dan Vallittu, P.K., 2012, Single Visit Replacement of Maxillary Canine Using Fiber-Reinforced Composite Resin, *The Journal of Contemporary Dental Practice*, 13 (1): 125-129.
- Gupta, S., Nikhil, V., Gupta, S. dan Verma, M., 2011, Conservative Bridge with Natural Tooth Pontic: A Case Report, *International Journal Clinical Dental Science*, 2(2): 58-63
- Guthrie, J.M., 2012, *Overview of X-Ray Fluorescence*, The National Science Foundation, University of Missouri Research Reactor
- Heumen, C.V., 2012, *Fiber Reinforced Adhesive Bridges Clinical and Laboratory Performance* , Radboud University, Nijmegen, 51-67.
- Huang, S.H., Lin, L.S., Fok, A.S.L., dan Lin, C.P., 2012, Diametral Compression Test with Composite Disk for Dentin Bond Strength Measurement – Finite Element Analysis , *Dental Materials*,28: 1099-1104.
- ISO 10477., 2004, *Dentistry – Polymer-Based Crown and Bridge Materials*. 2nd ed. International Organization for Standarization, Geneva, Switzerland
- Junior, A.A., Lopez, M.W., Gaspar, G.S. dan Braz, R., 2009, Comparative Study of Flexural Strength and Elasticity Modulus in Two Types of Direct Fiber-Reinforced System, *Brazilian Oral Restoration*, 23 (3): 236-240
- Khan, A.S., Azam, M.T., Khan, M., Mian, S.A., dan Rahman, I.U., 2015, An Update on Glass Fiber Dental restorative Composites: A Systematic Review, *Material Science and Enggeneering*, C.47: 26 – 39.
- Khetarpal, A., Talwar, S. dan Verma, M., 2013, Single Visit Rehabilitation with Anterior Fiber Reinforced Resin Composite Bridges: A Review, *Indian Journal of Applied Research*, 3 (2): 287-288
- Kogel. J.E., Trivedi, N., Barker, J.M. dan Krukowski, S.T., 2006, *Industrial Minerals & Rock-Commodities, Markert and User*, 7thed.*Society for mining metallurgy and exploration Inc*, 1369-1374

- Kosoric, J., Caffani, M., Bovillaguet, S., Godin, C.H. dan Meejer, J.M., 2002, Reinforcement of Composite Resin with Unidirectional Glass Fiber, *European Cells and Materials*, 3 (1): 24-25.
- Kulshreshtha, A. K., dan Vasile, C., 2002, *Handbook of Polymer Blends and Composites*. 2thed. Rapra Technology: Shawbury, 139
- Lasilla, L.V.J., Hohnstrom, T., dan Vallittu, P.K., 2002, The Influence of Short Term Water Storage on The Flexural Properties of Unidirectional Glass Fiber Reinforced Composites, *Biomaterial*, 23 (10): 2221-2222
- Lastumaki, T.M., Lasilla, L.V.J. dan Vallittu, P.K., 2001, Flexural Properties of the Bulk Fiber-Reinforced Composite DC-Tell Used in Fixed Partial Denture, *International Journal Prosthodont*, 14 (1): 22-26.
- Li, H., Meng, J. dan Richards, C.A., 2012, Alkaline Earth Aluminosilicate Glass: Route to High Modulus Fiber Reinforced Composite, *Int Fiber Glass Symposia*, 1-7
- Lieser, M., 2011, Glass fiber Reinforcement Type Significantly Impacts Corrosion Performance, *JEC Composites Magazine*, 69: 49-51
- Lipatov, Y.V., Gutnikov, S.I., Manylov, M.S. dan Lazoryak, B.I, 2012, Effect of ZrO₂ on the Alkali Resistance and Mechanical Properties of Basal fibers, *Inorganic Materials, Moscow State University*, 48 (7): 751-755
- Loncar, A., Vojvodic, D., Jerolimov, V., komar, D. dan Zabarovic, D., 2008, Fiber Reinforced Polymers Part II: Effect on Mechanical Properties, *Acta Stomatologica Cratica*, 42 (1): 49-63
- Lung, C.Y.K. dan Matinlinna, P.K., 2012, Aspect of Silane Coupling Agent and Surface Conditioning in Dentistry: An Overview, *Dental Material*, 28: 467-477
- Maghrabi, A.N.A., 2010, Reinforcement of Fiber-Reinforced Composites Crowns with Variant Margin Design, *Pakistan Oral and Dental Journal*, 30 (1): 264-268.
- 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, *Material Sciences and applications*, 2:319-330.
- McCord, F. dan Smales, R., 2012, Treatment Planning for Missing Teeth, *British Dental Journal*, 213: 341-351.
- Medeiros, I.S., Gomes, M.N., Loguercio, A.D., dan Filho, L.E.R., 2007, Diametral Tensile Strength and Vickers Hardness of a Composite After Storage in Different Solutions, *Journal Of Oral Science*, 49 (1): 61-66

- Mohan, S., Gurtu, A., Singhal, A. dan Guha, C., 2012, Fiber Reinforced Composites: A Review and Case Report, *Journal of Dental Science & Oral Rehabilitation*, 45-47
- Mortier, E., Jager, S., Gerdolle, D.A. dan Dahoun, A., 2013, Influence of Filler Amount on Water Sorption and Solubility of Three Experimental Flowable Composite Resins, *Journal of Materials Science and Engineering with Advanced Technology*, 7 (1): 35-4
- Mosharaf, R. dan Givechian, P., 2012, Effect of Fiber Position and Orientation on Flexural Strength of Fiber Reinforced Composite, *JIDA*. 24 (1): 21-27
- Mota, E.G., Oshima, H.M.S., Burnett, L.H., Pires, L.A.G., dan Rosa, R.S., 2006, Evaluation of Diametral Tensile Strength and Knoop Microhardness of Five Nanofilled Composites in Dentin and Enamel Shades, *Baltic Dental and Maxillofacial Journal*, 8: 67-69
- Mustafa, A.A. dan Matinlinna, J. P., 2014., Materials in Dentistry dalam Matinlinna J.P., *Handbook of Oral Biomaterials*, Pan Stanford Publishing: Singapore, 125-130.
- Polacek, P., Salajkova, M., dan Jancas, J., 2013, The Shear Adhesion Strength Between the FRC Substructure and Denture Base Resin: Effect of FRC Architecture, Adhesive Composition and Hydrolytic Degradation, *Composite Science and Technology*, 77: 22-28
- Procopio, A.T., Zavaliangos, A., dan Cunningham, J.C., 2003, Analysis of The Diametral Compression Test and The Applicability to Plastically Deforming Materials, *Journal of Materials Science*, 38: 3629-3639.
- Rapp, C. F., dan Mattson, S. M., 2001, *Glass Fiber Composition*, Paten EP 1027298 A4.1-6
- Rappeli, G., Coccia, E. dan Rondoni, D., 2008, Clinical and Laboratory Procedures to Fabricate Fiber Reinforced Composite Fixed Partial Dentures, *Cosmetic Dentistry International*, Ed 4
- Rondon, N., 2014, *Edentulism: Causes and Consequences of Tooth Loss*, America's ToothFair
- Sari, W.P., Sumantri, D., Imam, D. N. A., dan Sunarintyas, S., 2014, Pemeriksaan Komposisi *Glass Fiber* Komersial dengan Teknik *X-Ray Fluorescence Spectrometer (XRF)*. *Journal B-Dent*. Vol 1 (2): 151-160.
- Schmaltz, G. dan Bindsvlev, D.A., 2009, *Biocompatibility of Dental Materials*, Springer, Verlag Berlin Heidelberg

- Sharafeddin, F., Alavi, A.A. dan Talei, Z., 2013, Flexural Strength of Glass and Polyethylene Fiber Combined with Three Different Composites, *JournalDental Shiraz univ, Med. Sci*, 14 (1): 13-19
- Siswomihardjo, W., Sunarintyas, S., Khan, O.K.A.F., Sahidu, N.S.I. dan Matinlinna, J.P., 2014, Effect of Water Immersion on Monomer and Strength of FRC, *Dental Materials*, 30 (1).
- Small, B.W., 2011, Fixed Partial Dentures: Options for Dentist and The Patient, *Inside Dentistry*, AEGIS Communications, 7(4)
- Soanca, A., Bondor, C.I., Moldovan, M., Roman, A. dan Rominu, M., 2011, Water Sorption and Solubility of An Experimental Dental Material: Comparative Study, *Applied Medical Informaties*, 29 (4): 27-33.
- Stornberg, 2012, Glass Fiber Reinforced Gypsum, <http://www.stornbergarchytectural.com/materials/gfrg>.diunduh 16 April 2015
- Takahashi, Y., Chai, J. dan Tan, S.C., 2005, Effect of Water Storage on The Impact Strength of Three Glass Fiber Reinforced Composites, *Journal Dental Material*, 22: 291-297.
- Tologlu, N., Bayrak, S. dan Tunc, E.s., 2009, Different Clinical Applications of Bondable Reinforcement Ribbond in Pediatric Dentistry, *European Journal of Dentistry*, 9: 329-333
- Tuakta, C., 2005, Use of Fiber Reinforced Polymer Composites in Bridge Structures, The Departement of Civil and Environmental Engineering, Massachusetts Institute of Technology, 8-16.
- Vallitu, P.K., 2014., Glass Fiber in Fiber Reinforced Composites dalam Matinlinna JP, *Handbook of Oral Biomaterials* , Pan Stanford Publishing: Singapore. 255-270.
- Wallenberger, F.T, Watson, J.C. dan Hong Li, 2001, Glass Fiber, *ASM International*. 21: 27-30
- Wang, R., Zheng, S. dan Zheng, G., 2011, *Polimer Matrix Composites and Technology*, Elsevier: St. Louis, Missouri, 33-44.
- Wei, Y.P., Silikas, N., Zhang, Z.T 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 Material Journal*, 29:218-226.
- Wirth, K., College, M. dan Barth, A., 2012, *X-Ray Flourescence (XRF)*, Indiana University Purdue University, Indianapolis, Science Education Resource Center

Zhang, M. dan Matinlinna, J.P., 2012, *E- Glass Fiber Reinforced Composites in Dental Application*, Silicon, 1-5