

DAFTAR PUSTAKA

- Agrawal, M., 2014, Application of ultrahigh molecular weight polyethylene fibres in dentistry : a review article, *JAMDSR*, 2(2): 95-9.
- Annusavice, K.J., 2003, *Philips Science of Dental Materials*, 11th ed., Saunders, St Louis.
- Ballo, A.M., 2008, *Fiber-Reinforced Composite as Oral Implant Material Experimental Studies of Glass Fiber and Bioactive Glass in vitro and in vivo*, Disertasi, University of Aarhus, Aarhus.
- Belli, S. dan Eskitascioglu, G., 2014, Biomechanical properties and clinical use of a polyethylene fibre post-core, *IDS*, 8(3): 20-6.
- Bhalajhi, S.I., 2004, *Orthodontics the Art and Science*, Arya (Medi) Publishing House, New Delhi.
- Bishara, S.E., 2001, *Textbook of Orthodontic*, W.B. Saunders Company, Iowa.
- Brantley, W.A., Eliades, T., 2001, *Orthodontic Materials Scientific and Clinical Aspects*, Thieme, New York.
- Brauchli, L., Pintus, S., Steineck, M., Luthy, H. dan Wichelhaus, A., 2006, Shear modulus of 5 flowable composite to the everstick ortho fiber-reinforced composite retainer : an in vitro study, *AJODO*, 135:54-8
- Brustone, C.J. dan Kuhlberg, A.J., 2000, *Fiber-reinforced composite in orthodontics*, *JCO*, 34: 271-79.
- Cacciafesta, V., Sfondrini, M.F. dan Angelis, M.D., Scribante, A., dan Kiersy, C., 2003, Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrolic and self etching primers, *Am. J. Orthod. Dentofac. Orthop.*, 123:633-40.
- Campbell, F.C., 2010, *Structural Composite Material*, ASM International, USA.
- Castro, S.M., Ponces, M.J., Lopes, J.D, Vasconcelos, M., dan Pollman, C.F., 2015, Orthodontic wires and its corrosion-the specific case of stainless steel and beta-titanium, *Journal of Dental Sciences*, 10: 1-7.
- Craig, R.G. dan Ward, M.L., 1997, *Restorative Dental Materials*, 10th ed., Mosby Co., Philadelphia.
- Curtis, R.V., Watson, T.F., 2009, *Dental Biomaterials: Imaging, Testing, and Modelling*, Woodhead Publishing Ltd., Cambridge.
- Daniel, W.W., 2013, *Biostatistic a Foundation Analysis in The Health Science*, 10th ed., John Wiley and Sons, Inc., New York.

- Dyer, S.R., Lasilla, L.V.J., Jokinen, M., Valittu, P.K., 2004, Effect of fiber position and orientation on fracture load of fiber-reinforced composite, *Dent Mater.*, 20 :947-955.
- Eastes, W.L., Hofman, D.A., Wingert, J.W., 1998, Boron free glass fiber, *Patent* 5789329, 1-8.
- Fabricio, A.R., Renato, Q.C.J., Fabiola, L.P.P., Helcio, R.N.J.F., Carvalho, R.F., Mutlu, O., 2013, Evaluation of bond strength between *glass fiber* and resin composite using different protocols for dental splinting, *EJGD*, 2(3): 281-85.
- Foek, D.L.S., Ozcan, M., Krebs, E., Sandham, A., 2009, Adhesive properties of bonded orthodontic retainers to enamel: stainless steel wire vs *fiber-reinforced composite*, *The Journal of Adhesive Dentistry*, 11(5): 381-90.
- Foek, D.L.S., Yetkiner, E., Ozcan, M., 2013, Fatigue resistance, debonding force, and failure type of *fiber-reinforced composite*, polyethylene ribbon-reinforced, and braided stainless steel wire lingual retainers in vitro, *Kjod*, 43 (4) :186-92.
- Fonseca, R.B., Favara, I.N., Kasuya, A.V.B., Abrao, M., Luz, N.F.M., Navez, L.Z., 2014, Influence of glass fiber Wt% and silanization on mechanical flexural strength of reinforced acrylic, *J. of Mat.Sci and Chem.*, 2: 11-15.
- Freilich, M.A., Meiers, J.C., Duncan, J.P., Goldberg, A.J., 2007, *Fiber Reinforced Composite in Clinical Dentistry*, Quintessence Publishing Co, Chicago.
- Gelest Inc., 2006, *Silane Coupling Agents: Connecting Across Boundaries*, <http://www.gelest.com/goods/pdf/couplingagents.pdf>., diakses pada 8 Oktober 2014.
- Geserick, M., Ball, J., Wichelhaus, A., 2004, Bonding *fiber-reinforced* lingual retainers with color-reactivating flowable composite. <http://www.jco-online.com>, diakses pada 3 November 2013.
- Heravi, F., Moazzami, S.M., Tahmasbi, S., 2007, Fracture characteristic of *fiber reinforced composite* bars used to form rigid orthodontic anchorage units, *Journal of Dentistry*, 4(2): 53-8.
- Ilday, N., Seven, N., 2011, The Influence of different *fiber-reinforced composites* on shear bond strength when bonded to enamel and dentine structures, *JDS*, 6: 107-15.
- Karaman, A., Kir, N., Belli, S., 2002, Four application of *reinforced polyethylene fiber* material in orthodontic practice, *AJODO*, 121: 650-54.
- Karlsson, S., Jonson, B., 2010, The technology of chemical *glass* strengthening-a review, *Eur. J. Glass Sci. Technol. A.*, 51(2): 41-54.

- Khan, A.S., Azam, M.T., Khan, M., Mian, S.A., Rehman, I.U., 2015, An update on *glass fiber dental restorative composite: a systematic review*, *MSE*, 47: 26-39.
- Kim, J.K., Mai, Y.W., 2006, *Engineered Interfaces in Fiber Reinforced Composite*, Elsevier, Tokyo.
- Kinsella, M., Murray, D., Crane, D., Mancinelli, J., Kranjc, M., 2014, *Mechanical Properties of Polymeric Composites Reinforced with High Strength Glass Fiber*, <http://www.agy.com>, diakses pada 17 Oktober 2014.
- Kogel, J.E., Trivedi, N., Barker, J.M., Krukowski, S.T., 2006, *Industrial Minerals & Rock-Commodities, Markets and Uses*, 7th ed., SME Inc., America.
- Kumari, K., Aanand, R.C., Narula, N., 2009, Microbial degradation of polyethylene, *SPJNS*, 27: 66-70.
- Le Bell-Ronnlof, A.L., 2007, *Fiber reinforced composite as Root Canal Posts*, Turun Yliopisto., Turku.
- Loncar, A., Vojvodic, D., Jerolimov, V., Komar, D., Zabarovic, D., 2008, *Fiber reinforced polymers part II: effect on mechanical properties*, *Act. Stomatologica Croatica.*, 42(1): 49-63
- Luke, J.E., 2014, *Aramid Fibers*, <http://www.textileworld.com>, diakses pada 28 Oktober 2014.
- Lung, C.Y.K., Matinlinna, J.P., 2012., Aspects of *silane* coupling agent and surface conditioning in dentistry: an overview. *Dent Mater.*, 28: 416-677.
- Lung, C.Y.K., Matinlinna, J.P., 2014., Surface Pretreatment Methods and Silanization, dalam Matinlinna, J.P.: *Handbook of Oral Biomaterials*, pp: 359-97, Pan Stanford Publishing, USA.
- Luther, F., Nelson, Z., 2012, *Orthodontic Retainers and Removable Appliances: Principles of Design and Use*, Wiley-Blackwell, UK.
- Mallick, P.K., 2008, *Fiber reinforced composite: Materials, Manufacturing and Design*, 3rd ed. CRC Press, New York.
- Matinlinna, J.P., Lassila, L.V.J., Ozcan, M., Urpo, A.Y., Vallitu, P.K., 2004, An introduction to *silanes* and their clinical applications in dentistry. *Int J. Prosthodont.* 17:155-64.
- Milheiro, A., Kleverlaan, C., Muris, J., Feilzer, A., Pallav, P., 2012, Nickel release from orthodontic retention wires-the action of mechanical loading and pH, *Dental Materials.*, 28: 548-33.

- Mohan, S., Gurtu, A., Singhal, A., Guha, C., 2012, *Fiber reinforced composite- a review and case report*, *JDSOR*, 45-48.
- Monticelli, F., Osorio, R., Sadek, F.T., Radovic, I., Toledano, M., Ferrari, M., 2008, Surface treatment for improving bond strength to prefabricated *fiber* posts: a literature review, *Operative Dentistry*, 33(3): 346-55.
- Mowade, T.K., Dange, S.P., Thakre, M.B., Kamble, V.D., 2012, Effect of fiber reinforcement on impact strength of heat polymerized polymethyl methacrylate denture base resin: in vitro study and SEM analysis, *J. Adv Prosthodont.*, 4: 30-6.
- Mustafa, A.A., Matinlinna, J.P., 2014, Materials in Dentistry, dalam Matinlinna, J.P.,: *Handbook of Oral Biomaterials*, pp: 125-30, Pan Stanford Publishing, USA.
- Noble, J., Ahing, S.I., Karaikos, N.E., Wiltshire, W.A., 2008, Nickel allergy and orthodontics, a review and report of two cases, *British Dental Journal*, 204 (6): 297-300.
- Obukuro, M., Takahashi, Y., Shimizu, H., 2008, Effect of diameter of *glass fibers* on flexural properties of *fiber-reinforced composites*, *Dent Mater J.*, 27(4): 541-48
- Oztruk, B., Malkoc, S., Koyuturk, A.E., Catalbas, B., Ozer, F., 2008, Influence of different tooth types on the bond strength of two orthodontic adhesive system, *Eur. J. Orthod.*, 30(4): 407-12.
- Power, J.M., Sakaguchi, R.I., 2006, *Craig's Dental Material*, 12th ed., Mosby Elsevier, St.Louis.
- Rahardjo, P., 2009, *Peranti Ortodonti Lepas*, Airlangga University Press, Surabaya.
- Raju, P.S., Gupta, A., Garg, J., Bhattacharya, P., Agarwal, D.K., Agarwal, A., 2012, Evaluation of the shear bond strength of *fiber-reinforced composite* using different adhesive systems, *Journal of Dr.NTR University of Health Sciences*, 1(4): 249-52.
- Renkema, A.M., Al-Assad, S., Bronkhorst, E., Weindel, S., Katsaros, C., Lisson, J.A., 2008, Effectiveness of lingual retainers bonded to the canines in preventing mandibular incisor relaps, *AJODO*, 134: 179e1-179e8.
- Riberio, A.A., Morais, A.V., Brunetto, D.P., Ruellas, A.C.O., Araujo, M.T.S, 2013, Comparisson of shear bond strength of orthodontic brackets on *composite resin restorations* with different surface treatments, *Dental Press J Orthod.*, 18(4):98-103

- Roberson, T.M., Heyman, H.O., Swift, E.J., 2006, *Fundamentals of Operative Dentistry a Contemporary Approach*, 3rd Edition, Quintessence Publishing Co. Inc, Illionis.
- Rosyida, N.F., *Pengaruh Penambahan Silane dan Impregnasi Fiber terhadap Kekuatan Tarik Fiber Reinforced Composite E-Glass sebagai Retainer Ortodonti*, Tesis, Universitas Gadjah Mada, Yogyakarta.
- Rowland, H., Hichens, L., Williams, A., Hills, D., Killingback, N., Ewings, P., Clark, S., Ireland, A.J., Shandy, J.R., 2007, The effectiveness of hawley and vacuum-formed retainers: a single-centre randomizedcontrolled trial, *AJODO*, 132: 730-737.
- Ryan, J., 1995, Chemical stabilization of weathered *glass* surfaces, *Conservation Journal*, 16:1-5.
- Salehi, P., Najafi, HZ., Roeinpelkar, S.M., 2013, *Comparison of Survival Time Between Two Types of Orthodontic Fixed Retainer: a Prospective Randomized Clinical Trial*, <http://www.progressinorthodontics.com>, diakses pada 8 Oktober 2014.
- Sari, W.P., Sumantri, D., Imam, D.N.A., Sunarintyas, S., 2014, Pemeriksaan komposisi glass fiber komersial dengan teknik x-ray fluorescence spectrometer (XRF), *Jurnal B-Dent*, 1(2): 155-59.
- Schaal, K., 2006, *Fiberglass*, dalam Kogel, J.E., Trivedi, N.C., Barker, J.M., Krukowski, S.T., (7th ed), *Industrial Minerals & Rocks*, Society for Mining, Metallurgy, and Exploration.
- Scibante, A., Cacciafesta, V., Sfondrini, M.F., 2006, Effect various adhesive systems on the shear bond strength of *fiber-reinforced composite*, *AJODO*, 130: 224-27.
- Scibante, A., Sfondrini, M.F., Brogini, S., D'Alloco, M., Gandini, P., 2011, Clinical study efficacy of esthetic retainers : clinical comparison between multistranded wires and direct-bond *glass fiber-reinforced composite* splints, *IJD*, 1-5.
- Sideridou, I.D., Karabela, M.M., 2009, Effect of the amount of 3-methacryloxypropyltrimethoxysilane coupling agent on physical properties of dental resin nanocomposite, *Dent. Mater.*, 25: 1315-24.
- Simon, D., 2014, *Carbon Fibers*, <http://www.dylansimon.com>, diakses pada 28 Oktober 2014.
- Singh, G., 2008, *Textbook of Orthodontics*, Second Edition, Unipress, New Delhi.
- Sticktech, 2013, *Everstick Fibre Reinforcements in Orthodontics*, <http://www.sticktech.com>, diakses pada 28 Oktober 2014.

- Strassler, H.E., 2008, *Fiber reinforced materials for dental resins, Inside Dentistry*, 4(5): 2-9.
- Tacken, M.P.E., Cosy, J., Wilde, P.D., Aerts, J., Govaerts, E., Vannet, B.V., 2010, *Glass fiber reinforced versus multistranded bonded orthodontic retainers: a 2 years prospective multi-centre study, EJO*, 32 : 117-23.
- Taj, S., Munawar, A.M., Khan, S., 2007, Natural *fiber-reinforced* polimer composite, *Proc Pakistan Acad Sci.*, 44(2): 129-44.
- Tezvergil, A., Lassila, L.V.J., Valittu, P.K., 2005, The shear bond strength of bidirectional and random-oriented fibre-reinforced composite to tooth structure, *Journal of Dentistry*, 33: 509-16.
- Valdivia, A.D.C.M., Novais, V.R., Menezes, M.S., Roscoe, M.G., Estrela, C., Soares, C.J., 2014, Effect of surface treatment of *fiberglass* posts on bond strength to root dentin, *BDJ*, 25(4): 314-20.
- Valittu, P.K., 2009, Interpenetrating Polimer Network (IPNs) in Dental Polimers and Composite, dalam Matinlinna J.P. dan Mittal, K.L.: *Adhesion Aspect in Dentistry*, pp: 63-89, CRC Press, New York.
- Vallitu, P.K., 2014, *Glass Fibers in Fibers-Reinforced Composite*, dalam Matinlinna, J.P.: *Handbook of Oral Biomaterials*, pp: 255-79, Pan Stanford Publishing, USA.
- Van Heumen, C., 2010, *Fiber-reinforced Adhesive Bridge Clinical and Laboratory Performance*, Ipskamp Drukkers, Eindhoven, Enschede.
- Van Noort, 2007, *Introduction to Dental Materials*, 3rd ed., Mosby Company, St. Louis.
- Vassilopoulos, A.P., Keller, T., 2011, *Fatigue of Fiber-Reinforced Composite*, Springer, London.
- Wallenberger, F.T., 2010, *Design of Energy-Friendly Glass Fibers*, dalam Wallenberger, F.T. dan Bingham, P.A. : *Fiberglass and Glass Technology*, Springer-Verlag, New York.
- Wallenberger, F.T., Watson, J.C., Li, H, 2001, *Glass fiber. ASM International*. Vol 21.
- Wang, R.M., Zheng, S.R., Zheng, Y.P., 2011, *Polymer Matrix Composite and Technology*, Elsevier, St. Louis.
- William J.K., 2000, *Prinsip dan Praktik Alat-alat Ortodonti Cekat*, Penerbit Buku Kedokteran EGC, Jakarta.

Williams, J.K., Cook, P.A., Isaacson, K.G., Thom, A.R., 2012, *Alat-alat Ortodonti Cekat Prinsip dan Praktik*, Penerbit Buku Kedokteran EGC, Jakarta.

Zguris, G., Windisch, J.D., Svodoba, P., Vulfson, Y., 2004, Glass compositions, *Paten WO 2004011379 A2*, 1-2.

Zhang, M., Matinlinna, J.P., 2011, The effect of resin matrix composition on mechanical properties of *e-glass fiber-reinforced composite* for dental use, *J. Adhesion Sci. Technol*, 25: 2687-701.

Zhang, M., Matinlinna, J.P., 2012, *E-glass fiber reinforced composites* in dental application, *Springer*, 4:73-78.

Zhang, Y., Cao, G., Zhang, B., Zhang, L., Xing, W., Gu, G., 2010, Glass fiber composition, *Paten CA 2745050 A1*, 1-6.