

DAFTAR PUSTAKA

- Agrawal, M., Practitioner, P., Vadodara., 2014, Application of ultrahigh molecular weight polyethylene fibres in dentistry : a review article. *J of Adv Med and Dental Sci Research*. 2(2) : 95-98.
- Ahlstrand, W. M dan Finger, W. J., 2002, Direct and Indirect Fiber Reinforced Composite Fixed Partial Dentures : Case Reports, *Quintessence International*, 33(5) : 359-365.
- Alkalın-Everen B., Kulak-Ozkan, Y., Ozcan, M., dan Kadir, T., 2012, Candida Albicans Adhesions on Reinforce Polymethylmethacrylate Denture Resins: Effect of Fiber Architecture and Exposure of saliva, *Gerodontology*, DOI : 10.1111/ger.12024, 1-8
- Alla, R.K., Sajjan, S., Alluri, V. R., Ginjupalli, K., Upadhya, N., 2013, Influence of fiber reinforcement on the properties of denture base resins. *Journal of biomaterials and nanobiotechnology*, 4 : 91-97.
- Al-Quran, F. A., Al-Ghalayini, R. F., Al-Zu'bi, B. N., 2011. Single-tooth replacement: factors affecting different prosthetic treatment modalities. *BMC Oral health*. (34): 1-7.
- Anggraeni, A., Yuliati, A., dan Nirwana, I., 2005, Perlekatan Koloni *Streptococcus mutans* pada Permukaan Resin Komposit Sinar Tampak, *Maj. Ked, Gigi, (Dent. J)*., 38 (1) : 8-11
- Anusavive, K. J., 2003, *Phillips Science of Dental Materials*, 11th ed., Saunders, St. Louis, h. 33-37, 152, 166.
- Armellini, D., dan Van Fraunhofer, A., 2004, The Shortened Dental Arch : A Review Of the Literature. *J Prosthet Dent*; 92, h 531-53.
- 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 Mechanical Properties of Fiber Reinforced Polyester Composite. *IJAEA*. 2(2) : 5-9.

- Berkovitz, B. K. B, Moxham, B. J., Linden, R. W. A., dan Sloan, A. J., 2011, *Master Dentistry Oral Biology* 3rd ed., Elsevier, London, 94-95
- Bidarisugma, B., Timur, S.P., Purnamasari, R., 2012, antibody Monoklonal *Streptococcus mutans* 1(c) Kda sebagai Imunisasi Pasif dalam alternative Pencegahan Karies Gigi secara Topikal, *BIMKGI, 1 (1) : 1-7*.
- Biradar, B., Biradar, S., dan Arvind, M. S., 2012, Evaluation of The Effect of Water On three Different Light Cured Composite Restorative Materials Stored in Water : An In Vitro Study, *Int J Dent., 640942:1-5*
- Braga, R. R., dan Ferracane, J. L. 2004, Alternatives in Polymerization Contraction Stress Management. *Crit Rev Oral Biol Med.* 15(3):176-184
- Buerger, R., Rosentrit, M., dan Handel, G., 2007, Bacterial Adhesion of *Streptococcus mutans* to Provisional Fixed Prosthodontic Material, *The Journal of Prosthetic Dentistry*, Vol. 98 (6) : 461-9
- 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., Hisama, K., 2004, Water sorption and dimensional stability of three glass fiber-reinforced composites. *The Int. J. Of prosth.* : 17(2) : 195-199.
- Chaiya, A., Saraya, S., Chuakul, W., Temsiririrkul, R., 2013, Screening for Dental Caries : Preventive Activities of Medicinal Plants against *Streptococcus mutans*, *J.Pharm. Sci.*, 40 (1) : 1-9
- Craig, R. G., dan Powers, J. M. 2002, *Restorative dental materials.* 11th ed. Missouri: Mosby, Inc., 231-285.
- Curtis, R. V and Watson, T. F., 2009, *Dental Biomaterials Imaging, Testing and Modelling*, CRC Press, New York, h 239.
- De Alamaida, P. V., Gregio, A. T., Machado, M. A. N, De Lima, A. A. S., dan Azevedo, L. R., 2008, Saliva Compositions and Functions: A Comprehensive Review., *J dent Practice.*, 9 (3):1-11
- Denkist., 2009, *Material Safety Data Sheet*, Korea., www. Denkist. Com. h 1,2. Di unggah tanggal 10 November, 2015.

- Dillon H. C., dan Cassel, G. H., 1982, *Streptococci*. dalam Mc Ghee J. R, Michaels S. M, Cassel G. H. (editors). *Dental Microbiology*. Harper & Row, Philadelphia, 388-389.
- Duggan, J. M., dan Sedgley, C. M., 2007, Biofilm Formation of Oral and Endodontic *Enterococcus faecalli*, *Basic Research Biology*, Vol. 33 (7) : 815-818.
- Edgerton, M., Levine, M. L., 1993, Biocompatibility:Its Future in Prosthodontis Research. *J Prosthet Dent*. 69: 406–15.
- Federer, W. T., 1977, *Experimental Design Theory And Application*, Third Edition, Oxford and IBH Publishing Co, New Delhi Bombay Calcuta.
- Forssten, S. D., Bjorklund, M., Ouwehand, A. C., 2010, *Streptococcus mutans*, Caries and Simulation Models, *Nutrients*, 2:290-298.
- Freilich, M. A., Meiers J. C., Duncan J. H., dan Golberg A. J., 2000, *Fiber Reinforced Composites In Clinical Dentistry*, Quintessence Publishing, Hongkong, h.11.
- Gajewski, V. E. S., Pfeifer, C. S., Froes-Salgado, N. R. G., Boaro L. C. C, dan Braga R. R., 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 Vallitu, P., 2006, Fiber Reinforced Composite in Fixed Partial Denture. *Libyan J Med*.1 (1); 73-82.
- Garrity, G. M., Lilburn, T. G., Cole, J. R., Harrison, S.H., Euzebly, J., & Tindall, B. J., 2007, *The Bacteria : Phylum Firmicutes, Class Bacilli, dalam Anonim, Taxonomic Outline of the Bacteria and Archaea*, Michigan State University, Michigan.h 77
- Haralur, S. B., dan Al-Shahrani, O. S., 2014, Case Report Replacement of Missing Anterior Teeth in A Patient With Temporomandibular Disorder. *In Dent*. 1-4.
- Hauser-Gerspach, I., Kulik, E. M, Weiger, R., Decker, E., Von-Ohle, C., dan Meyer, J., 2007, Adhesion of *Streptococcus Sanguinis* to Dental Implant and Restorative Materials In Vitro, *Dental Material Journal*, 26(3): 12-16
- Heaton, A., 1996, *An Introduction to Industrial Chemistry*, 3rd edition, Blackie, New York, USA.

- Hemming, K., dan Harrington, Z., 2004, Replacement of Missing Teeth With Fixed Protheses. *Dental Update*. 31: 137-141.
- ISO 4049, 2000, *Dentistry-Polymer-Based Filling, Restorative and Luting Materials*, 17-20
- ISO 10477., 2004, *Dentistry – Polymer-Based Crown and Bridge Materials*. 2nd ed. International Organization for Standarization, Geneva, Switzerland
- Ismiyatin, K., 2000, Konsentrasi Minimal Seduhan The Hijau Indonesia Terhadap Daya Hambat Pertumbuhan *Streptococcus viridians*, *Majalah Kedokteran Gigi (Dental Journal)*, FKG UNAIR, Surabaya, 671 :53.
- Jubhari, E. H., 2007, Upaya Untuk Mengurangi Preparasi Gigi : Fung Shell Bridge, *Jurnal Kedokteran Gigi Dentofasial*, 6 (1): 27-9
- Kaw, A. K., 2006 *Mechanics of composite materials*. 2nd ed. CRC : New York. H.14-22.
- Khan, M. N., Roy, J. K, akter, N., Zaman, H.U., Islam, T., dan Khan, R. A., 2012. Production and Properties of Short Jute and Short E-Glass Fiber Reinforced Polypropylene-Based Composites, *Open Journal of Composite Materials*, hal 40-47
- Kidd, E. A. dan Bechal, S. J., 1991, *Dasar-dasar Karies dan Penanggulangannya (terj)*, EGC, Jakarta. 1-4.
- 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.
- Kokare, C. R., Chakraborty, S., Khopade, A. N., dan Mahadik, K. R., 2009, Biofilm Importance and Applications, *Indian Journal of Biotechnology*, Vol 8 : 159-168.
- 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 immersion conditions on the durability of fiber-reinforced hybrid composite resin using static and dynamic tests. *Dental material journal*. 31(3) : 449-457.

- Lamount, R. J., dan Jenkinson, H. F., 2010, *Oral Biology at a Glance*, Willey Blackwel, United Kingdom, 9-10
- Lassila, L.V. J., Nohrstrom, T, Vallittu P. K. 2002., The influence of short-term water storage on the flexural properties of unidirectional glass fiber-reinforced composites. *J Biomaterials*. 23 : 2221-2229.
- Lassila, L.V.J., Garoushi, S, Johanna, T, Pekka, K. V dan Eva S., 2009, Adherence of *Streptococcus mutans* to Fiber Reinforced Filling Composite and Conventional Restorative Materials. *The Open Dentistry Journal*, 227-232
- Le Bell-Ronlof, A.M., dan Anna, M., 2007, *Fiber-reinforced Composite as Root Canal Post*, Turku : Finland, h. 21-22.
- Lens, P., O' Flaherty, V., Moran, A. P., dan Stoodley, P., 2003, *Biofilm in Medicine, Industry, and Environmental Biotechnology*, Iwa Publishing, UK, 83-84.
- Lesage, B. P. 2007. Aesthetic Anterior Composite Restorations: A Guide to Direct Placement. *Dent Clin N Am* 51 : 359–378
- Lundeen, T. F., and Roberson, T. M., 1995, *Cariology : the lesion, etology, prevention, and control*, dalam (ed) : C.M. Studervant, T.M. Roberson, H.O. Heymann. *The Art and Science of Operative Dentistry*, 3th ed., Mosby-Year Book Inc, St Louis, 62-88.
- Machmud, E., 2008, Desain preparasi gigitiruan cekat mempengaruhi kesehatan jaringan periodontal. *Jurnal Kedokteran Gigi Dentofasial*. 7(1):13-4.
- Mallick, H. K., 2008, *Fiber Reinforced Composite : Materials, Manufacturing, and Design*, 3rd edition, CRC press, Taylor and Francis Group, Boca Raton, Florida, h 19-20, 60-64
- Marissen, R., 2011, Design with ultra strong polyethylene fibers. *J materials sciences and application*. 2 : 319.
- Marsh, P., dan Martin, M.V., 1999, *Oral Microbiology*, 4th ed., Oxford, 51,70,94,98,99,117,687.
- Matinlinna, J. P., 2014, *Handbook of oral biomaterials*. Pan Stanford publishing : Singapore. : 255-270.
- McGhee, J. R., dan Michalek, S. M., 1982, *Oral Streptococci with Emphasis on Streptococcus mutans*, dalam Mc Ghee, J.R., Miichalek, S.M., dan Cassel, G.H. (ed.) : *Dental Microbiology*, Harper and Row Publisher, Philadelphia, . 94, 680-681, 685-686.

- Mohan, S., Gurtu A., Singhal A., dan Guha C., 2012, Fibre reinforced composite a review and case report. *Journal of Dental Sci & Oral rehabilitation*.45-47.
- Montanaro, L., Campoccia, D., Rizzi, S., Donati, M. E., Breschi, I., Prati, C., Arciola, C. R., 2004, Evaluation of Bacterial Adhesion of *Streptococcus mutans* on Dental Restorative Materials, *Journal Biomaterials*, 445:4463
- Murphy, J., 1998, *Reinforced Plastics Handbook*, 2nd edition, Elsevier Science Ltd, Oxford h 65-67,69.
- Nayif, M. M., Suliman, A. A., Nikaida, T., Ikeda, M., Foxton, R.M., dan Tagami, J., 2005, Long Term Water Sorption of Three Resin-Based Restorative Materials., *Int Chin J Dent.*, 5:1-6
- Neilands, J., 2007, *Acid Tolerance of Streptococcus mutans Biofilm*, Faculty of Odontology, Department of Oral Biology, Malmo University.16-26
- Oliveira, R., Azerebo, J., Terxeira, P., dan Fonseca, A. P., 2001, The Role of Hidrophobicity in Bacterial Adhesion, *Bioline* : 11-22
- Ovul, K., Arzu, T. M., Ahmet, S., Lippo V. J., Vallitu, P. K., 2011, Marginal Adaptation and Microleakage of Directly and Indirectly Made Fiber Reinforced Composite Inlays. *The Open Dentistry Journal* (5), h 33-38
- Ozcan, M., 2003, Fracture Reasons in Ceramic-Fused-to-Metal Restorations. *Journal of Oral Rehabilitation*. 30 : 265-269.
- Parvizi, A., Linquist T., Schneider R., Williamson D., Boyer D., Dawson D. V., 2004, Comparasion of the dimensional accuracy of injectionmolded denture base materials to that of conventional pressure pack acrylic resin. *J Prosthodont*, 13 (2): 83-9.
- Pelczar, M. J. dan Chan, E. C., 1988, *Dasar-dasar Mikrobiologi II (terj)*. UI Press. Jakarta, 137-140, 452-459, 489-490.
- 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.
- Purba, M., 2004. *Kimia Untuk SMA Kelas XII*. Erlangga, Jakarta.h 65, 79.
- Rappelli, G., Coccia, E., 2005, Fiber-reinforced composite fixed partial denture to restore missing posterior teeth. *J Contemp Dent Pract* 4(6):168-177.

- Raszewski, Z., Nowakowska, D., 2013, Mechanical properties of hot curing acrylic resin after reinforced with different kinds of fibers. *Int J of Biomedic materials Research*. 1(1) : 9-13.
- Rauscher, H., Perucca, M., dan Buyle, G., 2010, *Plasma Technology for Hyperfunctional Surfaces Food, Biomedical, and Textile Application*, Willey-VCH, Weinheim, h 184-192.
- Rius, J. R. C., 2011, *Use of Fibre Reinforced Polymers in Bridge Contruction, State of the Art in Hybrid and All Composite Structures*, Universitat Politecnica de Catalunya, Barcelona, h. 6-8
- Rosenstiel, S. F., Land, M. F., Fujimoto, J., 2006, *Contemporary Fixed Prosthodontics*, 4th edition, Mosby Elsevier, Philadelphia, h 830-834.
- 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.
- Sakaguchi, R. L., dan Powers, J. M., 2012, *Craig's Restorative Dental Materials*, Edisi ke 12, Elsevier., St.Louise, h 84-85.
- 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.
- Sideridou, I. D., dan Karabella, M. M., 2011., Sorption of Water, Ethanol or Ethanol/Water Solution by Light-Cured Dental Dimethacrylate Resins., *Dental Materials*., 27:1003-1010.
- Sharefeddin, F., Alavi, A.A., Talei, Z., 2013, Flexural strength of glass and polyethylene fiber combined with three different composites. *J dent Shiraz Univ med Scien*. 14(1) : 13-19.
- Shilingburg, H., Hobo, S., Whitsett, L., Richard, J., Brackett, S., 1997, *Fundamentals of fixed prosthodontics*. 3rd Ed. North Kimberly Drive: Quintessence Publishing Co, Inc h.1
- Sfondrini, M. F., Fraticelli, D., Castellazzi, L., Scribante, A., Gandini., 2014, Clinical Evaluation of Bond Failures and Survival Between Mandibular Canine to Canine Retainers Made of Flexible Spiral Wire and Fiber Reinforced Composite. *J Clin Exp Dent*. 6(2) : 145:9.

- Soares, C. J., Barera, B. J., Santofilho, P. S., Raposa, C. H., Martin, L. R., 2013, Using a Fiber Reinforced Composite Fixed Partial Denture To Restore a Missing Posterior Tooth : case report. *Gen Dent Journal* 61(3); 61 (5)
- Strassler, H, Brown, C., 2001, Periodontal Splinting with a Thin High-Modulus Polyethylene Ribbond. *J Compendium of Continuing Education*, 22:696-708.
- Sugiyarto, Kristian, H., 2003. *Kimia Anorganik II*. Yogyakarta : Universitas Negeri Yogyakarta.
- Sumardjo, D., 2009, *Pengantar Kimia : Buku Panduan Kuliah Mahasiswa Kedokteran dan Program Strata I Fakultas Bioeksakta*, Penerbit EGC, Jakarta, h.20.
- Tahmourespour, A., Kermanshahi, R. K., Salehi, R., dan Nabinejad, A., 2008, The Relationship Between Cell Surface Hydrophobicity and Antibiotic Resistance of Streptococcal Strains Isolated From Dental Plaque and Caries, *Iranian Journal of Basic Medical Sciences*, Vol. 10(4) : 251-255.
- Takashi, Y., Chai, J., dan Tan, S.W., 2006, Effect of Water Storage on The Impact Strength of E Glass Fiber Reinforced Composite, *Dent. Mat.*, 22:291-297
- Tajj, S., Munawar, M.A., Khan, S., 2007, Natural fiber-reinforced polymer composites. *Proc paksitan Acad. Sci Journal*. 4420 : 129-144.
- Tanner, J., Vallitu, P.K dan Soderling, E., 2001, Effect Of Water Storage Of E-Glass Fiber Reinforced Composite On Adhesion Of *Streptococcus mutans*. *Biomaterials Vol 22 1613-1618*
- Tuloglu, N., Bayrak, S., Tunc, E. S., 2009. Different clinical applications of bondable reinforcement ribbond in pediatric dentistry. *European Journal of Dentistry*. 9 : 329-333.
- Tanzer, J.M., 1992, Microbiology of dental caries. *In: Contemporary Oral Microbiology and Immunology*. St Louis, Missouri: Mosby Year Book. p. 377-422.
- Todar, K., 2008, The Normal Bacterial Flora of Humans. <http://www.textbookofbacteriology.net/normalflora.html>. diunduh tanggal 15 November 2014.
- Valitu, R. K, 1996, A Review of Fiber Reinforced Denture Based Resins, *J Prosthodont*, 3; 270-276

- Vallitu, P, K., 2014., Glass Fiber in Fiber-Reinforced Composites dalam Matinlinna JP., *Handbook of Oral Biomaterials*. Pan Stanford publishing : Singapore.255-270.
- Van Noort, R., 2002, *Introduction to Dental Materials*, 2nd edition, Elsevier, Philadelphia, h 96-97.
- Wallenberger, F.T., Watson .J.C, Li. H., 2001, Glass Fibers. *ASM international*. 21 : 27-30.
- Zhang, M., dan Matinlinna, J. P., 2012, E-Glass Fiber Reinforced Composites in Dental Applications. *Silicon*. 1-5.
- Zhu, D., Wang, Y., Zhang, X., Cheng, S.,2010, *Interfacial bond property of UHMWPE composite*. Springer-verlag. 65 : 35-44.
- Zigurs, G., Vidzis, A., Brinkmane, A., 2005, Halitosis manifestation and prevention means for patients with fixed teeth dentures. *J Stomatologija, Baltic Dental and Maxillofacial*, 7:3-6