

## DAFTAR PUSTAKA

- Abbas G., Fleming G.J.P., Harrington E, Shortall A.C.C., dan Burke F.J.T. 2003. Cuspal movement and microleakage in premolar teeth restored with a packable composite cured in bulk or incrementals, *J Dent*, 31: 437-444.
- Acton, Q. A., 2013, *Acrylates Advances in Research and Application*, Scholarly Editions, Atlanta, 245.
- Agosta C and Estafan D., 2003, Eliminating microleakage from the composite resin system, *Gen Dent Nov/Des*: 506-509
- Aguair, F.H.B., Santos, A.J.S., Groppo, F.C. and Lovadino, J.R., 2002, Quantitative evaluation of marginal leakage of two resin composite restorations using two filling techniques, *Oper. Dent.*, 27 (5) : 475-479.
- Alani A.H., dan Toh 1997, Detection of microleakage around dental restoration, *a review, Oper Dent*, 22 : 173-185
- Almeida, J.B., Platt, J.A., Oshida, Y., Moore, B.K., Cochran, M.A., dan Eckert, G.J., 2003, Three Different Methods to Evaluate Microleakage of Packable Composite in Class II Restoration, *Oper.Dent*, 28(4): 453-460.
- Alrahlah A., Silikas N., dan Watts D.C. 2014, Post-cure depth of cure of bulk fill dental resin-composites, *Dental Materials*, 30(2) : 149-154
- Amirouche-Korichi A., Mouzali M., dan Watts D. 2009, Effects of monomer ratios and highly radiopaque fillers on degree of conversion and shrinkage strain of dental resin composites, *Dent Mater*, 25 : 1411-1418
- Anusavice, K.J., 2004, *Philips's Science of Dental Materials*, 10<sup>th</sup> ed, WB Saunders Company, Philadelphia, 54-59.
- Anusavice K.J., 2003, Philips: Buku Ajar Ilmu Bahan Kedokteran Gigi (terj), Ed.10, ECG, Jakarta 40-43: 227-248
- Apsari, A., Munadzirroh, E., dan Yogiartono, M., 2009, Perbedaan Kebocoran Tpi Tumpatan Resin Komposisi Hybrid yang Menggunakan Sistem Bonding Total Etch dan Self Etch, *Jurnal PDGI*, 58(3) : 75-81.

- Aschheim, Kenneth W., Dale, Barry G., 2001, *Esthetic Dentistry : A clinical Approach to Techniques and Materials*, Mosby Elsevier, St Louis Missouri, h. 69-75
- Bagis YH, Baltacioglu IH, Kahyaogullari S., 2012, Comparing microleakage and the layering methods of silorane-based resin composite in wide Class II MOD cavities, *Oper Dent*, 34: 578-85.
- Baum, L., Phillips, R.W., Lund, M., 1995, Restorasi Gigi Estetis, Buku ajar Ilmu Konservasi Gigi, Lilian Yunowo (ed). Edisi III, Penerbit Buku Kedokteran EGC, Jakarta, 256-262. (Mosby Inc, St.Louis
- Baum, L., Phillips, R. W., dan Lund, M. R., 1997, *Buku Ajar Ilmu Konservasi Gigi (terj)*, 3<sup>th</sup> ed, EGC, Jakarta, 273.
- Bayne, S.C., dan Taylor, D.F., 1995, Dental Material, Sturdevant C.M., *The Art and Science of Operative Dentistry*, 3<sup>rd</sup> ed, Mosby, Saint Louis, 241-246.
- Bowen RL dan Marjenhoff W. 1992, Dental composites/glass ionomers : the materials, *Adv Dent Res*, 6. 44-49
- Braga, RR, Boarao LCC, Kuroe T, Azevedoc CLN and Singer JM, 2006, Influence of cavity dimensions and their derivatives (volume and 'C' factor) on shrinkage stress development and microleakage of composite restorations, *Dent Mater*, 2: 818-823
- Campodonico C.E., Tantbirojin D., Olin P.S., dan Versluis A. 2011, Cuspal deflection and depth of cure in resin-based composite restorations filled by using bulk, incremental and transtooth-illumination techniques, *JADA*, 142 : 1176-1182
- Campos E.A., Ardu S., Lefever D., Jassé F.F., Bortolotto T., dan Krejci I. 2014, Marginal adaptation of class II cavities restored with bulk-fill composites, *J Dent*, doi : 10.1016/j.jdent.2014.02.007:
- Cao Luu, Drechsler U and Orange CA., 2011, Viscosity change of SonicFill when subjected to sonic vibration, *Port Sci Res* : [www.kerrdental.com/sonicfill](http://www.kerrdental.com/sonicfill) : 4-5.Polymerization, *Int of Prost and Rest Dent* : 2(1): 10-15.
- Christensen, G.J., 2005, Bonding to Dentin and Enamel, *J Am Dent Assoc* 136 : 1299-1302

- Christensen, G.J., 2012, Advantages and Challenges of Bulk Fill Resins, *Clinicians Report : A publication of CR Foundation*, January Volume 5 Issue 1 ; 1-6.
- Civelek, A., Ersoy, M., L'Hotelier, E., Soyman, M., dan Say, E.C., 2003 Pengkerutan polimerisasi and Microleakage in Class II Cavities of Various Resin Composites, *Oper. Dent.*, 28(5): 635-41
- Combe, E.C., 1992, Notes on Dental Material, 6<sup>th</sup> ed., Churchill Livingstone New York, h. 63-64, 89-99.
- Craig, R. G., Powers, J.M., 2002, *Restorative Dental Materials*, 11<sup>th</sup> ed, Mosby Co., St Louis, Baltimore: 260-283
- Craig R.G., Powers J.M., and Wahata, J.C., 2000, Dental Materials Properties and Manipulations, 11<sup>th</sup> ed., Mosby, Philadelphia: 58-61.
- Daniel, W.W., 2009, Biostatistic : A Foundation for Analysis in The Health Sciences, 9<sup>th</sup> ed., John Wiley & Sons, Hoboken, hal. 190.
- Derhami, K., Colli, P., dan Brannstorm, M., 1995, Microleakage in Class 2 Composite Resin Restoration, *Oper. Dent.*, 20: 100-5.
- Diansari, V., Eriwati, Y.K., dan Indrani, D. J., 2008, Kebocoran mikro pada restorasi komposit resin dengan sIstem total-etch dan self-etch pada berbagai jarak penyinaran, *Ind J Dent*, 15 (2); 121-30.
- Didem A., Gözde Y., dan Nurhan ö. 2014, Comparative Mechanical Properties of Bulk-Fill Resins, *OJCM*, 4 : 117-121.
- Dimiyati, A., Sukartini, E., and Aripin, D., 2007, Incidence of Tooth Sensitivity After Resin Composite Class III Restoration with Flowable Composite as Liner, *Padjajaran J Dent*, 19(3): 147-151.
- El- Damanhoury H.M. dan Platt J.A. 2013, Polymerization Shrinkage Stress Kinetics and Related Properties of Bulk-fill Resin Composites, *Oper Dent*,
- El-Safty S., Silikas N., dan Watts D.C. 2012b, Creep deformation of restorative resin-composites intended for bulk-fill placement, *Dent Matter*, 28 : 928-935.

- Endo, T., Finger, W.J., Kanehira, M., Utterdot, A., Komatsu, M., 2010, Surface texture and roughness nanofil and nanohybrid composite resin, *Dent Material J*, 29(2) : 213-223
- Eunice, C., Margarida, A., Joao, C.L., Filomena, B., Anabela., Pedro, A., Miguel, M.C., Diana, R., Joana, M., dan Mario, P., 2012, The Evaluation of Microleakage of Composite Resin Restoration with SonicFill. An in vitro Experimental Model, *Journal of Stomatology*, 2: 340-347.
- Ferracane, Jack L., 2001, *Materials in Dentistry: Principles in Dentistry*, 2<sup>nd</sup> ed., Mosby Co., Philadelphia, USA / Lippincot Williams & Wilkins, Maryland, h.96-98
- Floyd C.J.E dan Dickens S.H. 2006, Network structure of Bis-GMA and UDMA-based resin systems, *Dent Matter*, 22: 1143-1149
- Flurry S., Peutzfeldt A., dan Lussi A. 2014, Influence of increment thickness on microhardness and dentin bond strength of bulk fill resin composites, *Dental Materials*, 30 : 1104-1112.
- Franco, E.B., Lopes, L.G., Mondelli, R.F., Da Silva, M.H., dan Lauris, J.R.P., 2003, Effect of the Cavity Configuration Factor on the Marginal Microleakage of Esthetic Restorative Materials. *Am J Dent*, 1: 211-214.
- Fuks, A. B., dan Shey, Z., 1983, In Vitro Assesment of Marginal Leakage of Combined Amalgam Sealent Restoration on Occlusal Surface of Permanent Posterior Teeth. *J Dent Child.*, 50 (6): 425-429.
- Garg, N., dan Garg, A., 2013, *Textbook of Operative Dentistry*, 2<sup>nd</sup> ed, Jaypee Brothers Medical Publisers (P) Ltd, New Delhi, 5, 19, 209, 275, 179, 280-2, 185-6, 290, 299, 310, 328, 579.
- Gladwin, M., dan Bagby, M., 2004, *Clinical Aspect of Dental Materials : Theory, Practise and Cases*, 2<sup>nd</sup> ed, Lippincott Wiliams and Wilkins, Baltimore, Philadelphia 53-71.
- Goldberg, F., Artaza, L. P., dan Silvio, A. D., 1995, Apical Sealing ability of a New Glass Ionomer Root Canal Sealer, *J. Endod*, 21 (10): 498-500.
- Guimares T., Gushiken N.O., dan Braga R.R. 2013, Degree of conversion, flexural modulus and polymerization stress of Bulk Fill composites, *Dent Matter*, 29, Supplement 1 : e43

- Gungor, H.C., Turgut, M.D., Attar, N., dan Altay, N., 2003, Microleakage Evaluation of a Flowable Polyacid Modified Resin Composite Used as Fissure Sealant on Pit Abraded Permanent Teeth, *Oper Dent.*, 28(3): 267-273.
- Herrero, A.A., Yaman, P., dan Dennison, J.B., 2005, Polimerization Shrikage dan depth of cure of packable composite, *Quintessence Int*, 36 (1) : 25-31.
- Heymann, H.O., Indirect composit resin veneer; clinical technique and two year observation. *J Quintessence Int* 1987;18(2): 112-118.
- Hinoura, K., Sectos, J.C., dan Phillips, R.W., 1998, Cavity Design and Placement Technique for Class 2 Composite, *Oper Dent.*, 13: 12-9.
- Hosoda H., Yamada T., dan Inokshi S. 1990, SEM and elemental analysis of composite resins, *J Prosthet Dent*, 64 : 669-676
- Idris S., Habib C., Abduljabbar T, Omar R., 2003, Marginal adaptation of class II resin composite restorations using incremental and bulk placement techniques: an ESEM study, *J Oral Rehabil*, ; 30(10): 1000-1007.
- Illie, N., Bucut, S., dan Draenert, M., 2013, Bulk Fill Resin Based Composites: An In Vitro Assesment of Thier Mechanical Performance, *Operative Dentistry*, 38-5.
- Iovan, G., Stoleriu, S., Moldovanu A., Morogai, S., dan Andrian, S. 2011, SEM study interface between the cavity wall and composite resin in cavities filler using vibration, *International Journal of Medical Dentistry*, 1(3): 254-258.
- Iovan G, Stoleriu S, Moldovanu A, Morogai S and Andrian S., 2011, SEM study of the interface between the cavity wall and composite resin in cavities filled using vibration, *J odontology*, 1: 254-258.
- Jackson, R.D., 2011, Placing Posterior Composites: Increasing Efficiency, *Dentistry Today*.
- Jose-Luis R. Dental technique- restorations with resin-based, bulk fill composites, *AEGIS Communications* 2010: 31.
- Kasrei, S., Azarsina, M., dan Majidi, S., 2011, In Vitro Comparison of Microleakage of Posterior Composite with and without Liner Using Two-

Step Etch-and-Rinse and Self-Etch Dentin Adhesive System, *Oper Dent*,  
36 (2): 213-21.

Kerr, 2009, Maxcem Elite™. La Simplicité Raffinée, Kerr News. Magazine  
*d'Information*, Janvier 2009.

Kramer N., Reinelt C., Richter G., Petschelt A., dan Frankberger R. 2009,  
Nanohybrid vs a fine particle hybrid resin composite in class II cavities :  
clinical results and margin analysis after four years, *Dent Mater*, 25 : 750-  
759

Kramer N., Kunzelmann K.H., Garcia-Godoy F., Haberlein I., Meier B., dan  
Frankenberger R. 2007, Determination of caries risk at resin composite  
margins, *Am J Dent*, 20: 59-64

Kugel, G. dan Ferrari, M., 2000, The Science of Bonding: From First to Sixth  
Generation, *J Am Dent Assoc*, 131: 20-25.

Kwon, Y.H., Ferracane, J., dan Lee, I.B., 2012, Effect of layering methods,  
composite type, and flowable liner on the polymerization shrinkage stress  
of light cured composite, *Journal of Science Direct*: 801-809.

Kwon Y.H., Kang S.I., Hur B., Park J.K., dan Kim H.I. 2006, Effect of irradiation  
mode on polymerization of dental composite resin, *J Biomed Mater Res B  
Appl Biomater*, 78 : 253-258.

Kwong, W., 2012, How to Complete Bulk Fill Restoration, *Dental Product  
Report*.

Labella R., Lambrechts P., Van Meerbeek B., dan Vanherle G. 1999,  
Polymerization shrinkage and elasticity of flowable composites and filled  
adhesives, *Dent Matter*, 15 : 128-137

Lee, L.B., Cho, B.H., dan Son, H.H., 2005, A New method to Measure The  
Polimerization Shrinkage Kinetics of Light Cured Composites, *J. Oral  
Rehabil.* 32: 304-314.

Lee S.H., Lee Y.K., dan Lim B.S. 2003, Influence of thermocycling on the optical  
properties of laboratory resin composites and all-ceramic material, *J Mater  
Sci Mater Med*, 15 : 1221-1226

- Leevailoj, C., Cochran, M. A., Matis, B. A., Moore, B. K., dan Platt, J. A., 2001, Microleakage of Posterior Packable Resin Composites with and without Flowable Liners, *Oper Dent.*, 26:302-7.
- Logoercio, Alessandro D., Bauer, Jose, R., Reis, A., Grande, Rosa Helena, M.D., 2004, In vitro Microleakage of Packable composites in class II restorations, Quintessence International Publishing., Volume 35 No 1, hal. 29-34.
- Lowe RA. The search for a low-shrinkage direct composite Oral Health Journal 2010; 6 (March): 78-82.
- Lundeen, T.F., Sturdevant, J.R., dan Sluder, T.B., 1995, Clinical Significance of Dental Anatomy, Histology, Phisiology, and Occlusion, Sturdevant, C.M (ed), *The Art and Science of Operative Dentistry*, 3<sup>rd</sup> ed., Mosby-Year Book Inc., St. Louis, 12-23.
- Majeed, A., 2005, *An In Vitro Study of Microleakage and Surface Microhardness of Nanocomposite Restorative Materials*, University of the western cape, 4-14.
- Manappalil, J. J., 2003, Basic Dental Materials, 2<sup>nd</sup> ed, Jaypee Brothers Medical Publishers (P) Ltd, USA, 149, 165, 195.
- Manhart J., Kunzelmann K.H., Chen H.Y., dan Hickel R. 2002, Mechanical properties and wear behaviour of light-cured packable composite resins, *Dent Matter*, 16: 33-40
- Mathias, J., Roggendorf., Kramer, N., Appelt, A., Naumann, M., dan Frankerberger R., 2011, Marginal Quality of Flowable 4 mm base vs Conventionally Layered Resin Composite, *J Dent*, 39: 643-7.2011
- Mc Cabe, J.F., dan Walls, A.W.G., 2008, Applied Dental Materials, 9<sup>th</sup> Ed, Blackwell publishing Ltd, UK, 196-211.
- Mitra, S.B., WU D., dan Holemes, B.N., 2003, An application of nanotechlonogy in advanced dental materials, *J Am Dent Assoc*, 134 : 1382-90.
- Mjor I.A. 1981, Placement and replacement of restorations, *Oper Dent*, 6: 49-54
- Mjor I., Jokstad A., dan Qvist V. 1990, Logevity of posterior restorations., *Int Dent J*, 40 : 11-7

Mowafy, O.E., Badrawy, W.E., Lewis, D.W., Shokati, B., Soliman, O., dan Jaffer, K., 2005, Efficacy of halogen photopolymerization units in private dental offices, *J Can Dent Assoc*, 71 (8) : 587.

Norling, B.K., 2003, Bonding dalam Anusavice (ed) *Phillip's Science od Dental Materials*, 11<sup>ed</sup>, Elsevier, St. Louis.

Oberländer, H., Hiller, KA, Thonemann, B., & Schmalz, G., 2001, Clinical evaluation of packable composite resins in class II restorations, *Clinical Oral Investigations* 5(2) 102-107.

Perdigao J., 2002, Dentin Bonding as a function of Dentin Structure, *Dent Clin North M*, 46: 277-301.

Phillips, R.W., 1991, Skinner's Science of Dental Material, 9<sup>th</sup> ed, W.B.Saunders Co., Philadelphia.

Poggio, C., Chiesa, M., Scribante, A., Jenia, M., Colombo, M., 2013, Microleakage in Class II composite restorations with margins below the CEJ: In vitro evaluation of different restorative techniques. *Med Oral Patol Oral Cir Bucal* 1:18(5) e793-8.

Powers dan Sakaguchi, R.L., 2006, Restorative Dental Material. 12<sup>th</sup> ed. St. Louis, Mosby: 213-231.

Roberson, T. M., Heymann, H. O., Swift, E. J., 2002, *Art & Science of Operative Dentistry*, 4<sup>th</sup> ed, Mosby Inc, USA, 3, 4, 15, 147, 245-6, 248, 473, 476.

Roberson, T.M., Heymann, H.O., dan Swift, E.J., 2006, Sturdevant's Art and Science of Operative Dentistry, 5<sup>th</sup> ed., Mosby, Missouri, 17-24.

Sadhegi, M., 2009, Influence of Flowable Materials on Microleakage of Nanofilled and Hybrid class II Composite Restoration with LED and QTH LCUs, *Indian J Dent Res*, 20(2): 159-63.

Sarret DC, Brooks CN & Rose JT (2006) Clinical Performance evaluation of packable posterior composite in bulk cured restorations *Journal of the American Dental Association* 137(1) 71-80.

Scherer, W., Tung, FF., Estafan, D, 2000, Microleakage of a condensable resin composite resin composite: an in vitro investigation, *Quintessence Int* 2003: 31: 430-4.

- Schneider LFJ, Cavalcante LM, Silikas N. Shrinkage stresses generated during resin-composite applications: a review. *Journal of Dental Biomechanics* 2010; 1-10-24.
- Shimada, Y., dan Tagami, J., 2003, Effects of Regional Enamel and Prism Orientation on Resin Bonding, *Oper. Dent.*, 28: 20-27.
- Sideridou, I.D., Karabela, M.M., dan Vouvoudi, E.C., 2011, Physical properties of current dental nanohybrid dan nanofill loght-cured resin composite, *Dental Material*, 27 : 598-607.
- Sigusch BW, Völpel A., Braun I, Uhl A, Jandt KD. Influence of different light curing units on the cytotoxicity of various dental composites. *Dental Materials* 2007, 23:1342-8
- Simon, J.F. dan De Rijk, W.G., 2006, Dental Cements, *Inside Dentistry*, 2(2) : 42-47
- Sooraparaju, S. G., Kanumuru, P. V., Nujella, S. K., Konda, K. R., Reddy, K. B. K. dan Pengalapati, S., 2014, A Comparative Evaluation of Microleakage in Class V Composite Restorations, *Int J Dent*, 4: 1-5.
- Sturdevat, C.M.,Roberson T.M., Heymann, H.O., dan Sturdevant, J.R., 1994/1995, *The Art and Science of Operatif Dentistry*, St.Louis, Mosby.
- Summit, J. B., Robbins, J. W., Hilton, T.J., Schwartz, R. S., 2006, *Fundamentals of Operative Dentistry: a Contemporary Approach*, Quintessence Publishing Co., Chicago, p. 306-16.
- Swift, E.J., Perdigao, J., dan Heymann, H, O., 1995, Bonding to enamel and Dentin: A Brief History and State of The Art, *Quintessence Int.*, 26(2): 95-110.
- Sybron Dental Specialties Inc., 2011, SonicFill™ System, [www.sonicfill.eu/](http://www.sonicfill.eu/)
- Tronstad, L., 2003, *Clinical Endodontics*, 2<sup>nd Revised</sup> Ed., Thieme, Stuttgart, h. 1-4.
- Tulunoglu O, dan Ulker A. 2007, Gap formation Between Different Cavity Walls and Resin Composite Systems on Primary and Permanent Teeth. *J.Contemporary Dental Practise* (8):60-69

- Uctasli M., Bala O., dan Güllü A. 2004, Surface roughness of flowable and packable composite resin materials after finishing with abrasive discs, *Journal of Oral Rehabilitation*, 31: 1197-1202.
- Van Ende, Annelies., De Munck J, Mine A., 2010, Does a low-shrinking composite induce less stress at the adhesive interface, *Dent Mater*, 26(3): 215-222.
- Van Merbeek, B., De Munck, J., Yoshida, Y., Inoue, S., Vargas, M., Vijay, P., Van Landuyt, K., Lambrechts, P., dan Vanherle, G., 2003, Buonocore memorial Lecture Adhesion to Enamel and Dentin Current Status and Future Challenges, *Oper. Dent.*, 28(3): 215-235.
- Van Noort, R., 1994, *Dental Materials*, 8<sup>th</sup> ed., Mosby London
- Van Noort, R. 2002. *Introduction of Dental Materials* 2<sup>nd</sup> ed., Edinburgh : Mosby, London 147-167
- Van Noort, R., 2007, *Introduction to Dental Materials*, 3<sup>rd</sup> edition, Mosby, St.Louis.
- Xia Y., Zhang F., Xie H., Gu, N., 2008, Nanoparticle- reinforced Resin-Based Dental Composite, *J Dent.*, 450-5.