

DAFTAR PUSTAKA

- Adl, A., Sobhnamayan, F., Sadatshojaee, N., Azadeh, N., 2016, Effect of blood contamination on the push-out bond strength of two endodontic biomaterials, *Journal of Restorative Dentistry*, 4(2): 59-63.
- Akcay, H., Arslan, H., Akcay, M., Mese, M., Sahin, N. N., 2016, Evaluation of the bond strength of root-end placed mineral trioxide aggregate and biodentine in the absence/presence of blood contamination, *Eur J Dent*, 10:370-5.
- Annusavice K.J., 2003, *Philips science of dental materials*, 11 Ed., Elsevier Saunders, USA.
- Anonim, 2000, Products & practical information dental adhesive resin cement Super-Bond C&B, sun medical co. LTD., Shiga, Japan, http://www.generiqueinternational.com/docs/1_Super_Bond_CBblackbooklet.pdf. (diakses pada 8 November 2019).
- Anonim, 2019, (D)-Limonene, *National Library of Medicine HSDB Database* pp307-329
<https://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+4186> (diakses pada 8 November 2019)
- Barbizam, J. V. B., Trope, M., Tanomaru-Filho, M., Teixeira, E. C. N., Teixeira, F. B., 2011, Bond strength of different endodontic sealers to dentin: push-out test, *J Appl Oral Sci.*, 19(6):644-647.
- Bayram, H. M., Bairam, E., Kanber, M., Celikten, B., dan Saklar Feridun, 2017, Effect of different chelating solution on the push-out bond strength of various root canal sealers, *Biomedical Research.*, S401-406.
- Bhagavaldas, M.C., Diwan, A.C., Kusumvalli, S., Pasha, S., Devale, M., Chava, D.C., 2017, Efficacy of Two Rotary Retreatment Systems in Removing Gutta Percha and Sealer during Endodontic Retreatment with or without Solvent : A Comparative In Vitro Study, *J Conserv Dent*, 20(1) : 12-16.
- Cakici, F., Cakici, E. B., Ceyhanli, K. T., Celik, E., Kucukekenci, F. F., & Gunseren, A. O., 2016, Evaluation of bond strength of various epoxy resin based sealers in oval shaped root canals. *BMC oral health*, 16(1) : 106.
- Chandra BS, Krishna VG. 2010. *Grossman's endodontic practice*, 12th ed, Walters Kluwer, New Delhi.
- Chung, H., Kim, M., Ko, H., Yang, W., 2011, Evaluation of physical and biologic properties of the mixture of mineral trioxide aggregate and 4-meta/mma-tbb resin, *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*, 112: e6-e11.
- Cohen S dan Hargreaves K.M. 2006. *Cohen's pathway of the pulp*. 9th Ed. St. Louise: Mosby.
- Dagna A, Mirando M, Beltrami R, Chiesa M, Poggio C dan Colombo M., 2017. Gutta percha solvent alternative to chloroform: an in vitro comparative evaluation. Italy. *EC dental science* 15.2;51-56.

- Dumitriu D, Dobre T. 2015. Effects of temperature and hypochlorite concentration on the rate of collagen dissolution. *J Endod.* ;41:903–906.
- Ersahan S., Aydin, C., 2013, Solubility and apical sealing characteristics of a new calcium silicate-based root canal sealer in comparison to calcium hydroxide-, methacrylate resin-and epoxy resin-based sealers. *Acta Odontologica Scandinavica*, 71(3-4), pp.857-862.
- Garg N dan Garg A. 2010. *Textbook of endodontics 2nd edition*. New Delhi: Jaypee Brothers Medical Publisher. p. 1, 3, 237.
- Garg N dan Garg A. 2015. *Textbook of endodontics 2nd edition*. New Delhi: Jaypee Brothers Medical Publisher. p. 1, 3, 237.
- Giudice, G. L., Cutroneo, G., Centofanti, A., Artemisia, A., Baramanti, E., Militi, A., Rizzo, G., Favalaro, A., Irrera, A., Giudice, R. L., Cicciu, M., 2015, Dentin Morphology of Root Canal Surface: A Quantitative Evaluation Based on a Scanning Electronic Microscopy Study, *Bio Med Research International*, 1-7.
- Gokturk, H., Yucel, A. C., & Sisman, A., 2015, Effectiveness of four rotary retreatment instruments during root canal retreatment. *Cum Dent J*, 18(1) : 25-36.
- Grossman, L.L., Oliet, S dan Del Rio, C.E. 1995. *Ilmu endodontik dalam praktek* Edisi: 11. Terjemahan oleh Rafiah Abyono. Jakarta: EGC.
- Guiotti, F. A., Kuga, M. C., Duarte, M. A. H., Sant'ana Junior, A., dan Faria, G., 2013, Effect og calcium hydroxide dressing on push-out bond strength of endodontic sealers to root canal dentin, *Braz Oral Res*, Saopaulo, 28: 1-6.
- Haragushiku, G. A., Sousa-Neto, M. N., Silva-Sousa, Y. T. C., Alfredo. E., Silva, S. C., dan Silva, R. G., 2010, Adhesion of endodontic sealers to human root dentine submitted to different surface treatments, *photomed laser surg*, 28(3) :405-410.
- Hargreaves, K. M., dan Berman, L. H., 2011, *Cohen's pathways of the pulp eleventh edition*, Elsevier, St. Louis, Missouri, H. 211.
- Hasnain, M., Bansal, P., Nikhil, V., 2018, An in vitro comparative analysis of sealing ability of bioceramic-based, methacrylate-based, and epoxy resin-based sealers, *Endodontology*, 29(2): 146-150.
- Henston JDL, Nitin S, Subhash C, Shamsheer S, dan Raina D. 2012. Root canal sealer and its role in successful endodontics - a review. *Annals of Dental Research*; 2(2): 68-9.
- Hoshika, S., Nagano, F., Tanaka, T., Ikeda, T., Wada, T., Asakura, K., Koshiro, K., Selimovic, D., Miyamoto, Y., Sidhu, S., Sano, H., 2010, Effect of Application Time of Colloidal Platinum Nanoparticles on the Microtensile Bond Strength to Dentin, *Dental Materials Journal*, 29(6): 682–689.
- Huang, Y., Orhan, K., Celikten, B., ORHAN, A. I., Tufenkci, P., & Sevimay, S., 2018, Evaluation of the sealing ability of different root canal sealers: a combined SEM and micro-CT study. *Journal of Applied Oral Science*, 26.
- Ingle, J.I. dan Bakland, L.K., 2002, *Endodontics, 5th ed.*, BC Decker Inc, London, h.135.

- Ingle, J.I., Bakland, L.K., Baumgartner, J.C., 2008, *Ingle's endodontic, 6th ed.*, B.C. Decker, Ontario, h. 1234.
- Johnson, W. T dan Guttmann, J. L. 2006. Obturation of the cleaned and shaped root canal system, dalam Cohen, S. dan Burns, R. c. eds. *Pathways of the pulp 3rd ed.*. The C. V. Mosby Company, St. Louis, h. 358- 391.
- Kadic, S., Baraha, A., Miletic, I., Ionescu, A., Brambilla, E., Malcic, A. I., Gabric, D., 2017, Push-out bond strength of three different calcium silicate-based root-end filling materials after ultrasonic retrograde cavity, *Clin Oral Investig.*, 22(3): 1559-1565.
- Kawasaki, A., Hayashi, Y., Yanagiguchi, K., Yamada, S., Syudo, M., Igawa, K., Ikeda, T., Kubo, S., Fujiwara, M., 2012. Effects of eluted components from 4-META/MMA-TBB adhesive resin sealer on osteoblastic cell proliferation, *Journal of Dental Science*, 7: (94-98).
- Khedmat, S., Hashemi, A., Dibaji, F., & Kharrazifard, M. J., 2015, Effect of chloroform, eucalyptol and orange oil solvents on the microhardness of human root dentin., *Journal of dentistry*, 12(1), 25.
- Khiyani S, Khiyani T, Khiyani S dan Wahane K., 2017. Evaluation of the dissolving efficacy of four organic solvents on gutta-percha: An in Vitro Study. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)*. Vol 16 PP 83-86.
- Kuga, M. C., Faria, G., Rossi, M. A., do Carmo Monteiro, J. C., Bonetti-Filho, I., Berbert, F. L. C. V., ... & S3, M. V. R., 2013, Persistence of epoxy-based sealer residues in dentin treated with different chemical removal protocols. *Scanning: The Journal of Scanning Microscopies*, 35(1), 17-21.
- Kuga, M. C., Faria, G., Rossi, M. A., do Carmo Monteiro, J. C., Bonetti-Filho, I., Berbert, F. L. C. V., ... & S3, M. V. R., 2013, Persistence of epoxy-based sealer residues in dentin treated with different chemical removal protocols. *Scanning: The Journal of Scanning Microscopies*, 35(1), 17-21.
- Kumar, K. N., Kumar, M. P., Rao, P. S. S., Pallavi, V., dan Ahmed, S., 2012, Comparative evaluation of push-out bond strength of novel smart seal system with resilon/epiphany and gutta-percha/ AH-plus obturating system : An in vitro Study, *Int J Sci Study*, 4 : 114-117.
- Leal, F., Simao, R. A., Fidel, S. R., Fidel, R. A. S., dan Prado, M., 2015, Effect of final irrigation protocols push-out bond strength of an epoxy resin root canal sealer to dentin, *Aust Endod J*, 41 : 135-139.
- Magalhães, B. S., Johann, J. E., Lund, R. G., Martos, J., & Del Pino, F. A. B., 2007, Dissolving efficacy of some organic solvents on gutta-percha. *Brazilian oral research*, 21(4) : 303-307.
- Malko M.W dan Wroblewska A., 2016. The importance of R-(+)-limonene as the raw material for organic syntheses and for organic industry. Poland. *CHEMIK*. 70, 4, 193–202.
- Marcelo Palhais, Manoel Damião S, Fuad Jacob Abi Rached Junior, Mariana Carvalho de Andrade Amaral, Edson Alfredo, Carlos Eduardo Saraiva Miranda, Yara Teresinha Corr3a Silva Saousa. 2017. Influence of

- solvents on the bond strength of resin sealer to intraradicular dentin after retreatment. *Braz. oral res.* vol.31 São Paulo 2017 Epub Jan 26, 2017.
- Mohammadi, Z., Shalavi, S., dan Jafarzadeh, H., 2013, Ethylene-diamine-tetraacetic Acid in Endodontics, *Eur J Dent*, 7 : 135-142.
- Mushtaq M, Masoodi A, Farooq R, Yaqoob Khan F. 2012 .The dissolving ability of different organic solvents on three different root canal sealers: in vitro study. *Iran Endod J.* Fall;7(4):198-202.
- Nakagawa, K., Saita, M., Ikeda, T., Hirota, M., Park, W., Lee, M. C., Ogawa, T., Tabuchi, M., 2015, Biological and biochemical characterization of 4-META/ MMA-TBB resin, *Journal of Dentistry, Oral Disorders & Therapy*, 3(2): 1-7.
- Nisa, U dan Darjono, A. 2013."Analisis minyak atsiri serai (*Cymbopogon citratus*) sebagai alternatif bahan irigasi saluran akar gigi dengan menghambat pertumbuhan *enterococcus faecalis*". *Majalah Sultan Agung*. 59 (125).
- Nunes,VH., Silva, RG., Alfredo, E., Sousa-Neto, MD., Silva-Sousa, YTC., 2008, Adhesion of epiphany and AH Plus sealer to human root dentin treated With Different Solution, *Braz Dent J*, 19: 46-50.
- Obeid, M. F. dan Nagy, M. M., 2015, Retreatability of different endodontic sealers using chemical solvents, *Tanta Dental Journal*, 12: 286-291.
- Oyama KON, Sequera EL dan Marcelo DS. 2003. In vitro study of effect of solvent on root canal retreatment. *Braz Dent J*; 13: 208-11.
- Poggio, C., 2017, Gutta-Percha Solvents Alternative to Chloroform: An In Vitro Comparative Evaluation. *EC Dental Science*, 15:51-56.
- Prado, M., Simao, R. A., dan Gomes, B. P. F. A., 2013, Effect of Different irrigation protocols on resin sealer bond strength to dentin, *J Endod*, 39(5): 689-691.
- Rached-Jr, F. J.A., Sousa-Neto, M. D., Souza-Gabriel, A. E., Duarte, M. A. H. dan Silva-Sousa, Y. T. C., 2016, Impact of remaining zinc oxide eugenol-based sealer on the bond strength of a resinous sealer to dentine after root canal retrratment, *Int Endod J.*, 47: 463-469.
- Rached-Junior, F.J.A., Sousa-Neto, M.D.D., Souza-Gabriel, A.E., Duarte, M.A.H. and Silva-Sousa, Y.T.C., 2014, Impact of remaining zinc oxide-eugenol-based sealer on the bond strength of a resinous sealer to dentine after root canal retreatment, *International endodontic journal*, 47(5), pp.463-469.
- Rahimi M, Jainae A, Parashos P dan Messer, HH. 2009. Bonding of resin based sealers To root detin. *J endod* ; 35: 121-124.
- Sabadin, N., Böttcher, D. E., Hoppe, C. B., dosSantos, R. B., dan Grecca, F. S., 2014, Resin-based sealer penetration into dentinal tubules after the use of 2% chlorhexidine gel and 17% EDTA : In Vitro Study, *Braz J Oral Sci*, 13(4) : 308-313.
- Sagsen, B., Ustün, Y., Demirbuga, S., & Pala, K., 2011, Push-out bond strength of two new calcium silicate-based endodontic sealers to root canal dentine. *International endodontic journal*, 44(12):1088-1091.

- Sari D.P., 2014. Pengambilan gutta percha point menggunakan bahan pelarut minyak jeruk yang dikombinasi dengan instrumen manual. *Jurnal PDGI* Vol. 63, No. 3, Hal. 88-94. Jakarta.
- Setiyowati, I. F., 2018, Pengaruh Pelarut Xylol, Formamide, dan D-Limonene Terhadap Kebersihan Saluran Akar dari Guta Perca dengan Siler Berbasis Resin Epoksi, *Jurnal Kedokteran Gigi*, 9(2): 226-232. Shenoi dkk., 2014
- Simsek, N., Keles, A., Ahmetoglu, F., Ocak, M. S., & Yologlu, S., 2014, Comparison of different retreatment techniques and root canal sealers: a scanning electron microscopic study. *Brazilian oral research*, 28(1):1-7.
- Singh, S., Podar, R., Dadu, S., Kulkarni, G., Vivrekar, S., dan Babel, S., 2016, An in vitro comparison of push-out bond strength of biodentine and mineral trioxide aggregate in the presence of sodium hypochlorite and chlorhexidine gluconate. [http://www.endodontologyonweb.org\(29/9/2017\)](http://www.endodontologyonweb.org(29/9/2017)).
- Soedjono P, Mooduto L dan Setyowati L. 2009. Penutupan apeks pada pengisian saluran akar dengan bahan kalsium oksida lebih baik disbanding kalsium hidroksida. *Jurnal PDGI*; 58(2): 1-2.
- Soeno, K., Taira, Y., Matsumura, H., Atsuta, M., Suzuki, S., Adhesion of 4-META/MMA-TBB resin to collagen-depleted dentin-effect of conditioner with ascorbic acid/ferric chloride, *Dental Material Journal*, 23(2): 100-105.
- Sonmez, I. S., Sonmez, D., Almaz, M. E., 2013, Evaluation of push-out bond strength of a new MTA-Based sealer, *Eur Academy Paediatr Dent*, 14: 161-166.
- Sugaya, T., Tanaka, S., Miyaji, H., Shimoji, S., Kudo, M., Takefu, H., & Washizu, T. 2017. Treatment of infected root canals with 4-META/MMA-TBB resin, *J.Dent. Sci.*, 38:111-121.
- Tabassum, S., & Khan, F. R., 2016, Failure of endodontic treatment: The usual suspects. *European journal of dentistry*, 10(1):144.
- Takefu, H., Shimoji, S., Sugaya, T., Kawanami, M., 2012, Influence of blood contamination before or after surface treatment on adhesion of 4-META/MMA-TBB resin to root dentin, *Dental Materials Journal*, 31(1): 131-138.
- Tanomaru-Filho M, Orlando TA, Bortoluzzi EA, Silva GF, Tanomaru JM. 2010. Solvent capacity of different substances on gutta-percha and Resilon. *Braz Dent J*. Jan;21(1):46-9.
- Teixeira, C. S., Alfredo, E., Thome, L. H., GaribaSilva, R., Silva-Sousa, Y. T. C. dan SousaNeto, M. D., 2009, Adhesion of an endodontic sealer to dentin and push-out bond strength measurements and SEM analysis, *J Appl Oral Sci.*, 17(2) : 129 – 135.
- Tohru Hayakawa, Tadao Fukushimai and Kimiya Nemoto. 2004. Tensile Bond Strength of 4-META/MMA-TBB Resin to Ground Bovine Using a Self-etching Primer. *Dental Materials Journal* 23(3)1271-277, 2004.
- Topcuoglu, H. S., Demirbuga, S., Tuncay, O., Arslan, O., Kesim, B., dan Yasa, B., 2014, The bond strength of endodontic sealers to root dentin exposed to different gutta-percha solvents, *Int Endod J*, 47 : 1100-1106.

- Tuncel, B., Nagas, E., Cehreli, Z., Uyanik, O., Vallittu, P., Lassila, L., 2015, Effect of endodontic chelating solutions on the bond strength of endodontic sealers, *Original Research endodontic*, Braz Oral Res, 29 (1) : 1-6.
- Uzunoglu, E., Yilmaz, Z., Sungur, D. D., Altundasar, E., 2015, Retreatability of Root Canals Obturated Using Gutta-Percha with Bioceramic, MTA and Resin-Based Sealers, *Iranian Endodontic Journal*, 10(2), 93–98.
- Walton, RE dan M. Torabinejad. 2002. *Principles and practice of endodontics*. 3rd ed. Philadelphia:W.B.Saunders.
- Yadav K, Ataide I.D.N.D, Ganoo A , Fernandes M dan Lambor R., 2016. Evaluation of disinfection of gutta-percha cones and their surface changes using different chemical solutions. *Journal of Restorative Dentistry*. India.
- Yamamoto, T., Kyo, M., Kamiya, T., Tanaka, T., Engel, J. D., Motohashi, H., and Yamamoto, M. 2006. Predictive base substitution rules that determine the binding and transcriptional specificity of maf recognition elements. *Genes Cells* 11 575-591. Jun;11(6):575-91