

DAFTAR PUSTAKA

- Abada, H.M., Farag, A.M., Alhadainy, H.A., dan Darrag, A.M., 2015, Push-Out Bond Strength of Different Root Canal Obturation System to Root Canal Dentin, *Tanta Dental Journal*, 12(3), 185-191
- Al-Haddad, A., Che Ab Azis, Z., A., 2015, Bioceramic-Based Root Canal Sealers: A Review, *International Journal of Biomaterials*, 2016, 1-9
- Aljebory, A.M., Alsalman, T.M., 2017, Chitosan Nanoparticles: Review Article, *IJIR*, 3(7) :233-242
- Amoroso-Silva, P.A., Guimaraes, B.M., Marciano, M.A.H., Cavenago, B.C., Ordinola-Zapata, R., dan De Moraes, I.G., 2014, Microscopic Analysis of The Quality of Obturation and Physical Properties of MTA Fillapex, *Microscopy of Research and Technique*, 77(2), 1031-1036
- Balasubramani, P. K., Iroh, J. O., 2016, Mechanism and Kinetics of Curing of Diglycidyl Ether of Bisphenol A (DGEBA) Resin by Chitosan, *Polymer Engineering and Science*, 1-10
- Balguirie, E., Van Der Sluis, L., Vallaey, K., Gurgel-Georgelin, M., dan Diemer, F., 2011, Sealer Penetration and Adaptation in The Dentinal Tubules : A Scanning Electron Microscopic Study, *Journal of Endodontics*, 37(11), 1576-1579
- Bayram HM, Bayram E, Kanber M, Celikten B, Saklar F., 2017. Different chelating solution on the push-out bond strength of various root canal sealers, *Biomed Res-India* 2017, Special Issue.
- Bellinda, M., Ratih, D.N., Hadriyanto, W., 2016, Perbedaan Konsentrasi dan Waktu Aplikasi EDTA sebagai Bahan Irigasi Saluran Akar terhadap Kekuatan Pelekatan Push-Out Bahan Pengisi Saluran Akar, *J.Ked Gigi*, 7(2), 118-124
- Bernaedes, R.A., Campelo, A., Junior, D.S., Pereira, L.O., Duarte, M.A., Moraes, I.G., Barnante, C.M., 2010, Evaluation of Flow Rate of 3 Endodontic Sealers: Sealer AH 26, AH Plus, and MTA Obtura, *Oral Surg Oral Med Oral Patol Oral Radiol Endod*, 109(1):e47-49
- Bhreznev, A., Neelakantan, P., Tanaka, R., Bhreznev, S., Fokas, G., Matinlinna, J.P., 2019, Antibacterial Additives in Epoxy Resin-Based Root Canal Sealers : A Focused Review, *Dentistry Journal*, 7(72), 1-27

- Campos-ibarra, dan Acosta-torres, L., 2013, Biocompatible Antimicrobial Irrigants and Nanoparticles-Sealers for Endodontics, *Entreciencias* 1(1), 7-17
- Chandra, B.S dan Krishna, V.G. 2010. *Grossman's Endodontic Practice*, 12th ed. NewDelhi: Wolters Kluwer Health (India)
- Chau, T.T.,Bruckard, W.J., Koh ,P.T.L., dan Nguyen, A.V., 2009, A Review of Factors That Affect Contact Angle and Implications for Flotation Practice, *Adv Colloid Interface Sci.*, 150:106-115
- Chen, W.P., Chen, Y.Y., Huang, S.H., dan Lin,C.P., 2013, Limitations of Push-Out Bond Strength Measurement, *Journal of Endodontics*, 39(2), 283-287
- Damarsasi D., 2017, Pengaruh Penambahan Kitosan Nanopartikel Pada Siler Resin Epoksi Terhadap Kekuatan Pelekatan Push-Out Bahan Obturasi Saluran Akar, *Tesis* , Program Studi Konservasi Gigi Universitas Gadjah Mada, Yogyakarta
- Darrag, A. M. 2014. Effectiveness of different final irrigation solutions on smear layer removal in intraradicular dentin. *Tanta Dent. J.*, 11: 93-99.
- Del Carpio-Perchena, A., Kishen, A., Shrestha, A., dan Bramante, C.M., 2015, Antibacterial Properties Associated with Chitosan Nanoparticle Treatment on Root Dentin and 2 Types of Endodontics Sealers, *Journal of Endodontics*, 41(8), 1353-1358
- Donnermeyer, D., Nahdat-Pajoch,N., Schafer, E., dan Dammaschke, T., 2019, Influence of The Final Irrigation Solution of The Push-Out Bond Strength of Calcium Silicate – Based, Epoxy Resin- Based and Silicone – Based Endodontic Sealers, *Odontology*, 107(2), 231-236
- Enggardipta,R.A.,2018, Pengaruh Penambahan Kitosan Nanopartikel Pada Siler Resin Epoksi Terhadap Kerapatan Koronal dan Apikal Bahan Obturasi Saluran Akar, *Tesis*, Program Studi Konservasi Gigi Universitas Gadjah Mada, Yogyakarta
- Enggardipta,R.,A.,Untara.,R.,T.,E.,Santosa.,P.,Kartikaningtyas,A.,T.,Widyastuti, A., dan Ratih,D.,N., 2019, Apical Sealing Ability of Chitosan Nanoparticles in Epoxy Resin Based Sealer, *MKGI*, 5(2),69-74
- Febrianifa, E.,Hadriyanto, W., Kristanti., 2016, Perbedaan Daya Antibakteri Siler Saluran Akar Berbahan Dasar Seng Oksid Eugenol, Resin Epoksi, dan Mineral Trioxide Aggregate terhadap Enterococcus Faecalis, *J.Ked.Gigi*, 7(2), 41-47

- Ferracane J.L., Stansburry J.W., Burke F.J., 2011, Self adhesive resin cements chemistry, properties and clinical consideration, *J Oral Rehab*, 38(4):295-314.
- Finan L., Palin W.M., Moskwa N., McGinley E.L., Fleming G.J., 2013, The influence of irradiation potential on the degree of conversion and mechanical properties of two bulk-fill flowable RBC base materials, *Dent Mater*, 29(8): 906-12.
- Garg N., dan Garg, A., 2014, *Textbook of Endodontics 3rd Ed.*, Jaypee Brothers Medical Publishers, New Delhi, 182-197.
- Gibson, Geoff. 2017. *Brydson's Plastics Material*, 8 th ed. St.Louis: Elsevier Inc
- Gokturk, H., Yucel, A.C., Sisman, A., 2015, Effectiveness of Four Rotary Retreatment Instruments During Root Canal Retreatment, *Cumhuriyet Dental Journal*, 18(1), 25-36
- Goy, R.C., de Britto., Assis, O.B.G., 2009, A Review of the Antimicrobial Activity of Chitosan , *Polimeros: Ciencia e Tecnologia*, 19(3):241-247
- Grossman, L.I., Oliet, S., Del Roi, C.E., 1996, *Ilmu Endodontik dalam Praktek, Edisi ke-11*, EGC, Jakarta, 281.
- Haapsalo, M., Shen, Y., Qian, W., dan Gao, Y., 2010, Irrigation in Endodontics *Dental Clinics of North America*, 54, 291-312
- Hammad M., Qualtrough A., dan Silikas N., 2008, Extended setting shrinkage behaviour of endodontic sealers, *J Endod*, 34(1): 90-93.
- Hargreaves, K.M., Bermann, L.H., 2016, *Cohen's Pathways of The Pulp 11th*, Elsevier, St.Louis
- Kesim, B., Burak, A.K., Delikan, E., Gungur, A., 2018, Effect of Chitosan on Sealer Penetration into Dentinal Tubules, *Nigerian Journal of Clinical Practice*, 21(10), 1284-1290
- Mulyawati E., 2011, Peran Bahan Disinfeksi Pada Perawatan Saluran Akar , *Maj. Ked.Gigi*, 18(2), 205-209
- Mulyawati, E., Marsetyawan., H.N.E.S., Sunarintyas, S., Handajani, J., 2013, Sifat Fisik Hidroksiapatit Sintesis Kalsit Sebagai Bahan Pengisi pada Sealer Saluran Akar Resin Epoxy, *Dental Journal Majalah Kedokteran Gigi*, 4(24), 207-212

- Obeid, M.F., dan Nagy, M.M., 2015, Retreatability of Different Endodontics Sealers Using Chemical Solvents, *Tanta Dental Journal*, 12, 25-38
- Patel, S., dan Barnes, J. J. 2016. *Prinsip Endodontik*. EGC. Jakarta.
- Pimenta, J. A., Zaparolli, D., Pécora, J. D., Cruz-Filho, A. M. 2012. Chitosan: effect of a new chelating agent on the microhardness of root dentin. *Brazilian Dental Journal*, 23(3),212-217
- Prado M., Gusman H., Gomes B.P., dan Simao R.A., 2013, Scanning Electron Microscopic Investigation of the Effectiveness of Phosphoric Acid in Smear Layer Removal When Compared with EDTA and Citric Acid, *J. of Endod.*, 37(2), 255-258.
- Qi, L., Xu, Z., Jiang,X., Hu, C., dan Zou, X., 2004, Preparation and Antibacterial Activity of Chitosan Nanoparticles, *Carbohydrate Research*, 339;2693-2700
- Rafaat, D., Von Bargaen, K., Haas, A., dan Sahl, H.G., 2008, Insights into The Mode of Action of Chitosan as an Antibacterial Compound, *Applied and Environment Microbiology*, 74 (12), 3764-3773
- Rhazi, M., Desbrieres, J., Tolaimate, A., Rinaudo, M., Vottero, P., Alagui, A., El Meray, M. 2003. Influence of the nature of the metal ions on the complexation with chitosan: Application to the treatment of liquid waste. *Eur. Polym. J.*, 38, 1532-1530.
- Sakaguchi,R.L., Powers,J.M., 2012, *Craig's Restorative Dental Material 13 ed*, Philadelphia : Elsevier
- Salazar D.C., Dennison J., Yaman P., 2013, Inorganic and prepolymerized filler analysis of four resin composites, *Oper Dent.*, 38(6): E201-9.
- Satheesh B., Tshai K.Y., Warrior N.A., 2014, Effect of Chitosan Loading on The Morphological, Thermal and Mechanical Properties of Diglycidyl Ether of Bisphenol A/ Hexamethylenediamine Epoxy System., *J Compos*, 1-7
- Shrestha A., Shi Z., Neoh K.G., Kishen A., 2010, Nanoparticulates for antibiofilm treatment and ^[1]_{SEP} effect of aging on its antibacterial activity, *J Endod*, 36,1030– 5.
- Silva PV, Guedes DF, Pécora JD, da Cruz-Filho AM, 2012, Time dependent effects of chitosan on dentin structures, *Braz. Dent. J* , 23, 357-361.
- Sivasankari S., Murugan, N., Sivaraj S., 2014, Effect of Filler Materials on The Mechanical and Thermal Properties of Epoxy Resin, *Applied Mechanics and Materials*, 592-594(2014) ,206-210

- Suvarna S.K., Layton C., dan Bancroft J.D., 2013, *Bancroft's Theory and Practice of Histological Technique*, 7th ed., Elsevier, China.
- Sogias, I.A., William, A.C., Khutoryanskiy, 2009, Why is Chitosan Mucoadhesive?, *Biomacromolecules*, 9(7), 1837-1842
- Tan W., Krishnaraj R., Desai T.A., 2001, Evaluation of nanostructured composite collagen-chitosan matrices for tissue engineering, *Tissue Eng*, 7, 203–10.
- Teixera, C., Alfredo, E., Thome, L.H.C., dan Silva, R.G., 2009, Adhesion of an Endodontic Sealer to Dentin and Gutta percha : Shear and Push Out Bond Strength Measurement and SEM Analysis, *Journal of Applied Oral Science*, 17(2): 129-135
- Tiyaboonchai W., 2003. Chitosan Nanoparticles : a Promising System for Drug Delivery, *NUJST*, 11(3): 51-66
- Vemisetty H., Ravichandra P.V., dan Reddy J., 2014. Comparative Evaluation of Push out Bond Strength of Three Endodontic with and without Amoxicillin- An In vitro Study, *J. of Clin. & Diag. Res.*, 8(1), 228-231.
- Wang, R.-M., Zheng, S.-R., and Zheng, Y.P., 2011, 'Matrix materials', in *Polymer Matrix Composites and Technology*, 1st ed. Cambridge: Woodhead Publishing, p.10