

DAFTAR PUSTAKA

- Amanda, A., Ratih, D.N., Mulyawat, E., 2021. The effect of sisal Aagave sisalana) nanofiber in epoxy resin sealer on root cana obturation's push-out bond strength. *Majalah Kedokteran Gigi Indonesia*, 7(3): 137-145.
- Arini, S., 2020. Pengaruh Penambahan Berbagai Konsentrasi Nanofiber Sisal pada Siler Resin Epoksi terhadap Kerapatan Apikal Bahan Obturasi Saluran Akar, *Tesis*, Fakultas Kedokteran Gigi, Universitas Gadjah Mada, Yogyakarta.
- Ashraf, H., Najafi, F., Heidari, S., Mohammadian, M., Zadsirjan, S., 2017. Physical Properties and Chemical Characterization of Two Experimental Epoxy Resin Root Canal Sealers. *IEJ*, 12(2): 149-156.
- Bisanda, E.T.N., 2000. Effect of Akali Treatment on the adhesion characteristic of sisal fibers. *Ahalled Composite Materials*, 7(5-6): 331-339.
- Canadas, P.S., Berasteugi, E., Gatón-Hernandes, P., Silva, L.A., Leite, G.A., Silva,R.S., 2014. Physicochemical Properties and Interfacial Adaptation of Root Canal Sealer. *Braz Dent J*, 25: 435-41.
- Canderio, G.T., Correia, F.C., Duarte, M.A., Riberio-Siquirea, D.C., Gavini, G., 2012. Evaluation of radiopacity, pH, release of calcium ions and flow of bioceramic root canal sealers. *J Endod*, 38: 842-845.
- Darvell, B.W., 2018. *Materials Science for Dentistry 10th Ed.* Woodhead Publishing, UK.
- Dentsply. 2005. AH Plus Root Canal Sealer Scientific Compendium. Konstanz, Germany.
- Fajrin, J., 2016. Mechanical Properties Of Natural Fiber Composite Made of Indonesian Grown Sisal. *Jurnal Info Teknik*, Vol.17, No.1: 69-84.
- Farah, M.H., 2019. *Basic Chemistry Book 1st Ed.* Lulu Press, United States.

- Ferreira, F.V., Pinheiro, I.F., de Souza, S.F., Mei, L.H.I., Lona, L.M.F., 2019. Polymer Composites Reinforced with Natural Fibers and Nanocellulose in the Automotive Industry: a short review. *J. Compos.Sci*, 3-51.
- Garg, N., dan Garg, A., 2014. *Textbook of Endodontics 3rd Ed.* Jaypee Brothers Medical Publishers, New Delhi, 182-197.
- George, J., dan Sabapathi, S.N., 2015 Cellulosa nanocrystals: synthesis, functional, properties and applications. *Nanotechnology, Science and Applications*, 8: 45–54.
- Gerendás, J., dan Schurr, U., 1999. Physicochemical aspect of ion relations and pH regulation in plants- a quantitative approach. *JXB*, Vol.50, No.336, July: 1101-1114.
- Gjorgievska, E.S., Nicholson, J.W., Coleman, N.J., Booth, S., Dimkov, A., Hurt, A., 2017. Component Release and Mechanical Properties of Endodontic Sealers following Incorporation of Antimicrobial Agents. *Biomed Research International*, Vol. 2017.
- Grossman, L.I., Oliet, S., Del Roi, C.E., 1996. *Ilmu Endodontik dalam Praktek* Edisi ke-11, EGC, Jakarta, 281.
- Gutmann. J.L., Dumsha, T.C., Lovdahi, P., 2006. *Problem Solving in Endodontics*. Dalam: 4th penyunt. s.l.:St Louis: Mosby, 142- 155.
- Hammad, M., Qualtrough, A., Silikas, N., 2008. Extended Setting Shrinkage Behavior of Endodontic Sealers, *J. Endod*, 34(1):90-93.
- Hargreaves, K.M., Berman, L.H., 2016. *Cohen's Pathways of the Pulp 11th ed.* St. Louis, Elsevier.
- Hergt, A., Wiegand, A., Hülsmann, M., Rödiger, T., 2015. AH Plus root canal sealer-an update literature review. *I*, 9(4): 245-265.
- Hienz, S., Paliwal, S., Ivanovski, S., 2015. Mechanism of Bone Resorption in Periodontitis. *Journal of Immunology Research*, Vol.2015.
- Huang, F.M., Yang, S.F., Chang, Y.C., 2010. Effect of Root Canal Sealer on Alkaline Phosphatase in Human Osteoblastic Cells. *JOE*, Jul;36(7): 1230-3.
- Huang, T.H., Yang, J.J., Li, H., Kao, C.T., 2002. The biocompatibility evaluation of epoxy resin- based root canal sealers in vitro. *Biomaterials*; 23(1): 77-83.

- Ingle, J.I., Bakland, I.K., Baumgartner, J. C., 2008. *Endodontics* 6th ed. Mosby, B.C Decker, Ontario.
- International Organization for Standardization., 2012. Specification for dental root canal sealing material, *ISO 6876*. Switzerland.
- Jon, T.G., Sillard, C., Plackett, D., Szabo, P., Bras, J., Daugaard, A., 2017. Chemically extracted nanocellulose from sisal fibres by a simple and industrially relevant process. *Cellulose*. 24(1): 107-118.
- Khan, M.T., Moeen, F., Safi, S.Z., Said, F., Mansoor, A., Khan, A.S., 2021. The Structural, Physical, and In Vitro Biological Performance of Freshly Mixed and Set Endodontic Sealers. *EUR Endod J*, 6: 98-109.
- Kusumastuti, A., 2009. Aplikasi Serat Sisal sebagai Komposit Polimer. *Jurnal Kompetensi Teknik*. Vol. 1, No. 1.
- Lee, J.K., Kwak, S.W., Ha, J.H., Lee, W.C., Kim, H.C., 2017. Physicochemical Properties of Epoxy Resin-Based and Bioceramic-Based Root Canal Sealers. *Hindawi Bioinorganic Chemistry an Applications*.
- Lee, K.W., Williams, C.M., Jean, J., Camps, J.J., Pashley, D.H., 2002. Adhesion of Endodontic Sealers to Dentin and Gutta-percha, *Journal of Endodontics*, 12: 684-688.
- Mulyawati, E., Marsetyawan, H.N.E., Sunaringtyas, S., Handajani, J. 2013. Sifat fisik Hidroksiapatit sintesi kalsit sebagai bahan pengisi pada sealer saluran akar resin epoxy, *Dental Journal*, Vol.46 No. 4.
- Mulyawati, E., Marsetyawan, H.N.E., Sunaringtyas, S., Handajani, J. 2020. Apical Sealing Ability of Calcite-Synthesized Hydroxyapatite as a Filler of Epoxy Resin-Based Root Canal Sealer. *Contemp Clin Dent*, Vol. 11, Issue 2, April-June 2020.
- Neelakantan, P., Sharma, S., Shemesh, H., Wesselink, P.R., 2015. Influence of Irrigation Sequence on the Adhesion of Root Canal Sealers to Dentin: A Fourier Transform Infrared Spectroscopy and Push-out Bond Strength Analysis. *J Endod*. Jul; 41(7):1108-11.
- Nugroho, D.A., Nuryono, W., Asmara, W., Wajar, D., 2017. Efek Jumlah Kandungan Filler Nanosisal terhadap Ketahanan Fraktur Resin Komposit, *Insisiva Dental Journal*, 6(2): 17-23.

- Nuraeni, W., Daruwati, I., Maria, E., Sriyani, M.E., 2013. Verifikasi Kinerja Alat Particle Size Analyzer (PSA) Horiba LB-550 untuk Penentuan Distribusi Ukuran Nanopartikel. *Prosiding Seminar Nasional Sains dan Teknologi Nuklir PTNBR-BATAN*, Bandung, 4 Juli.
- Pawar, A.M., Pawar, S., Kfir, A., Pawar, M., Kokate, S., 2016. Push-out Bond Strength of Root Filling Made with C-Point and BC Sealer versus Gutta- Percha and AH Plus after The Instrumentation of Oval Canals with The Self- Adjusting File versus WaveOne, *Int. Endod. J.*, 49(4): 374-381.
- Poggio, C., Arciola, C.R., Dagna, A., Colombo, M., Bianchi, S., Visai, L., 2010. Solubility of root canal sealer: a comparative study. *Int J Artif Organs*, 33: 676-81.
- Purnama, R.B., 2019. Pengaruh penambahan nanofiber sisal terhadap kekerasan dan kekasaran permukaan glass ionomer cement, repository.ugm.ac.id
- Purwanto., Suharso, A.R., Kurniawan, F.S. 2021. Analisis Pengaruh Perlakuan Kimia terhadap Morfologi dan Gugus Fungsional Serat Sisal, *Newton-Maxwell Journal of Physics*, April, Vol.2 No.1.
- Rahimi, M., Jainan, A., Parasos, Messer H.H., 2009. Bonding of Resin-based Sealers to Root Dentin, *J. Endod.*, 35(1):121-12.
- Ratih, D.N., Enggardipta, R.A., Kusumo, A.N.H., Hadriyanto, W., 2021. Setting Time, Flowability, and Solubility of Epoxy Resin-Based Sealer mixed with Chitosan Nanoparticles, *Int J App Pharm.*, 13 (2): 122-126.
- Sahu, P., Gupta, M.K., 2017. Sisal (Agave sisalana) Fibre and its polymer-based composites: A review on current developments, *Journal of Reinforced Plastic and Composites* 0(0): 1-12.
- Shrestha, A., Kishen, A., 2016. Antibacterial Nanoparticles in Endodontics: A Review. *J Endod.* 2016 Oct; 42(10):1417-26.
- Singh, H., Markan, S., Kaur, M., Gupta, G., 2015. Endodontic Sealers: Current Concepts and Comparative Analysis, *Dentistry-Open Journal*, 2(1): 32-37.
- Somashekar, S dan Shantakumar, G.C., 2014. Effect of Alkali Treatment on Mechanical Properties of Sisal-Reinforced Epoxy Polymer Matrix Composite, *Int J of MERR*, 3(4): 441-450.

- Sosiati, H., Nahyudin, A., Fausi, I., Wijayanti, D.A., Triyana, K., 2016. Biocomposites Mechanical and Thermal Properties of Epoxy Resin, *Applied Mechanics and Materials*, Vol.592-594: 206-210.
- Subbiya, A., Kumar, E.P., Anuradha, B., Mitthra, S., 2020. Properties and Clinical Application of Resin Based Sealers: a review. *European Journal of Molecular & Clinical Medicine*, Volume 07, Issue 05.
- Surata, I. W., Lokanata, I. P., Arimbawa A. P., 2016. Studi Sifat Mekanis Komposit Epoxy Berpenguat Serat Sisal Orientasi Acak yang diCetak dengan Teknik Hand-Lay Up. *Jurnal Energi dan Manufaktur*, Vol 9, No. 2: 143-146.
- Trache D. 2018. Nanocellulose as a promising sustainable material for biomedical application. *AIMS Materials Science*, 5(2): 201-205.
- Yudhanto, F., Andika, W., Kusmono., 2016. Pengaruh Perlakuan Alkali terhadap Kekuatan Tarik dan Wettability Serat Alam Agave sisalana Perrine, Prosiding SemNas XI “Rekayasa Teknologi Industri dan Informasi” hal. 218-232.
- Zeid, S.T.A., Alamoudi, R.A., Saleh, A.A.M., 2022. Impact of Water Solubility on Chemical Composition and Surface Structure of Two Generation of Bioceramic Root Canal Sealers. *MDPI Appl. Sci.*, 12, 873.
- Zhou, H., Shen, Y., Zheng, W., Zheng, Y., Haapasalo, M., 2013. Physical Properties of 5 Root Canal Sealers. *JOE*, Volume 39, Number 10 : 1281-1286.