

## DAFTAR PUSTAKA

- Alwi, I., 2015, Kriteria Empirik dalam Menentukan Ukuran Sampel pada Pengujian Hipotesis Statistika dan Analisis Butir, *Jurnal Formatif*, 2(2): 140-148.
- Ana, I. D. dan Anggraeni, R., 2021, Development of bioactive resin modified glass ionomer cement for dental biomedical applications, *Heliyon*, 7(1): 1–9.
- Askar, H., Krois, J., Göstemeyer, G., Bottenberg, P., Zero, D., Banerjee, A. dan Schwendicke, F., 2020, Secondary caries: what is it, and how it can be controlled, detected, and managed?, *Clinical Oral Investigations*, 24(5): 1869–1876.
- Askar, H., Tu, Y. K., Paris, S., Yeh, Y. C., dan Schwendicke, F., 2017, Risk of caries adjacent to different restoration materials: Systematic review of in situ studies, *Journal of Dentistry*, 56:1–10.
- Bansal, R. dan Bansal, T., 2015, A comparative evaluation of the amount of fluoride release and re-release after recharging from aesthetic restorative materials: An in vitro study, *Journal of Clinical and Diagnostic Research*, 9 (8): ZC11–ZC14.
- Bayındır, B. C. dan Bağ, İ., 2023, The Effects of Boric Acid on The Water Solubility of Glass Ionomer Cements, *Journal of Dentistry Indonesia*, 30(2).
- Bhadila, G. Y., Baras, B. H., Balhaddad, A. A., Williams, M. A., Oates, T. W., Weir, M. D. & Xu, H. H. K., 2023, Recurrent caries models to assess dental restorations: A scoping review, *Journal of Dentistry*, 136: 1-19.
- Cantica O., Abdillah, M. H., dan Anggraini F., 2023, Analisis Produksi Padi di Provinsi Jambi dan Riau Menggunakan Uji Mann-Whitney, *Multi Proximity: Jurnal Statistika Universitas Jambi*, 2(1): 32-38.
- Cury, J. A., De Oliveira, B. H., Dos Santos, A. P. P., dan Tenuta, L. M. A., 2016, Are fluoride releasing dental materials clinically effective on caries control?, *Dental Materials*, 32(3): 323–333.
- Dahlan, M. S., 2014, *Statistik untuk Kedokteran dan Kesehatan*, Jakarta, hal. 107, 104, 151.
- Dzuik, Y., Chhatwani, S., Mohiennrich, S. C., tulka, S., Naumova, E. A., dan Danesh, G., 2021, Fluoride release from two types of fluoridecontaining orthodontic adhesives: Conventional versus resin-modified glass ionomer cements—An in vitro study, *PLOS ONE*, 1-12.
- Eriwati, Y., Dhiaulfikri, M., dan Herda, E., 2020, Effect of Salivary pH on Water Absorption and Solubility of Enhanced Resin- Modified Glass Ionomer Enhanced Resin- Modified Glass Ionomer, *Journal of Dentistry Indonesia*, 27(3).

- Faizah, A., Suparno, N. R., Pradana, F. A. J., dan Diennya, E. Z. M., 2023, Pengaruh Laju Pelepasan Fluor pada Resin Komposit Berfluor terhadap Kebocoran Tepi, *e-GiGi*, 11(2): 220–226.
- Fauziyah, N., 2019, Sampling dan Besar Sampel Bidang Kesehatan Masyarakat dan Klinis, 1st ed., Politeknik Kesehatan Kemenkes Bandung, Bandung, hal. 19.
- Francois, P., Fouquet, V., Attal, J., dan Dursun, E., (2020) Commercially Available Fluoride-Releasing Restorative Materials: A Review and a Proposal for Classification, *Materials*, 13, 2313.
- Heshmat H., Ganjkar M. H., Sanaei N., Tabatabatei S. F., dan Kharazifard M. J., 2022, Comparative Study of the Solubility and Sorption Properties of Resin Modified Glass Ionomer and a Bioactive Liner, *Journal of Research in Dental and Maxillofacial Sciences*, 7(3): 125–132.
- Jaiswal, S., Kusumitha, P., Alla, R. K., Guduri, V., Ramaraju A. V., dan Sajjan S. M. C., 2022, Solubility of glass ionomer cement in various acidic beverages at different time intervals: an in vitro study, *International Journal of Dental Materials*, 04(04): 78–81.
- Kasraei, S., Haghi, S., Valizadeh, S., Panahandeh, N., dan Nejadkarimi, S., 2021, Phosphate Ion Release and Alkalinizing Potential of Three Bioactive Dental Materials in Comparison with Composite Resin, *International Journal of Dentistry*, 2021(1): 1-8.
- Kementerian Kesehatan Republik Indonesia, 2019, *Laporan Nasional Riskesdas 2018*. Jakarta, hal. 195, 204.
- Koju, N., Sikder, P., Ren, Y., Zhou, H. dan Bhaduri, S.B., 2017, Biomimetic Coating Technology for Orthopedic Implants, *Current opinion in chemical engineering*, 15: 49-55.
- Kumari, P. D., Khijmatgara, S., Chowdhuryb A., Lynhc E., dan Chowdhurya, C. R., 2019, Factors influencing fluoride release in atraumatic restorative treatment (ART) materials: A review, *Journal of Oral Biology and Craniofacial Research*, 9: 315–320.
- Lima, R. B. W., Farias, J. F. G., Andrade, A. K. M., Silva, F. D. S. C. M., dan Duarte, R. M., 2018, Water sorption and solubility of glass ionomer cements indicated for atraumatic restorative treatment considering the time and the pH of the storage solution, *RGO - Revista Gaúcha de Odontologia*, 66(1).
- Madhayastha, P. S., Naik, D. G., Natarajan, S., K. Bhat, M. R., Vinodhini, R. S., Effects of water sorption and solubility on degradation of silorane and methacrylate-based dental composites, 2024, *Indian Journal of Dental Research*, 35(1): 76-79.
- Makanjuola, J. dan Deb, S., 2023, Chemically Activated Glass-Ionomer Cements as Bioactive Materials in Dentistry: A Review, *Prosthesis*, 5: 327–345.

- Müller, J.A., Rohr N., dan Fischer J., 2017, Evaluation of ISO 4049: water sorption and water solubility of resin cements, *Eur J Oral Sci*, 125(2): 141-50.
- Münchow, E. A., Zanchi, C. H., Ogliari, F. A., Silva, M. G., de Oliveira, I. R., dan Piva, E., 2014, Replacing HEMA with alternative dimethacrylates in dental adhesive systems: evaluation of polymerization kinetics and physicochemical properties, *The journal of adhesive dentistry*, 16(3): 221–228.
- Naggas, I. C. dan Ergun, G., 2011, Effect of different light curing methods on mechanical and physical properties of resin cements polymerized through ceramic discs, *J Appl Oral Sci.*, 403-411.
- Nassar A. A. E. G., Sayed H. Y. E., Etman W. M., dan Genald T. M., 2020, Clinical Evaluation of Different Bioactive Dental Restorative Materials, *Egyptian Dental Journal for Researchers*, 4:1123-1141.
- Nicholson, J.W., 2016, Adhesion of glass-ionomer cements to teeth: a review, *International Journal of Adhesion and Adhesives*, 69: 33-38.
- Omidi, B. R., Naeini, F. F., Dehghan, H., Tamiz, P., Savadroodbari, M. M., dan Jabbarian, R., 2018, Microleakage of an enhanced resin-modified glass ionomer restorative material in primary molars, *J Dent (Tehran)*, 15(4): 205-213.
- Omrani, L. R., Abbasi, M., Motevasselian, F., Yektael, M. A., dan Najafi, F., 2020, Degree of conversion and water sorption of self-adhesive and conventional flowable composites: an in vitro study, *Brazilian Journal of Oral Sciences*, 19:1-10.
- Pameijer, C. H., Garcia-Godoy, F., Morrow, B. R., dan Jeffereis, S. R., 2015, Flexural Strength and Flexural Fatigue Properties of Resin-Modified Glass Ionomers, *J Clin Dent*, 26(1): 23-27.
- Pietrzyńska, M. dan Voelkel, A., 2017, Stability of simulated body fluids such as blood plasma, artificial urine and artificial saliva, *Microchemical Journal*, 134: 197–201.
- Porenczuk, A., Jankiewicz, B., Naurecka, M., Bartosewicz, B., Sierakowski, B., Gozdowski, D., Kostecki, J., Nasiłowska, B., Mielczarek, A., 2019, A comparison of the remineralizing potential of dental restorative materials by analyzing their fluoride release profiles, *Adv Clin Exp Med*, 28(6): 815–823.
- Pulpdent., 2019, *Activa Bioactive: A Closer Look at Bioactive Materials*, 5<sup>th</sup> Edition, Pulpdent, Watertown, hal. 2, 4, 9.
- Rêgo, H.M.C., Butler, S. dan Santos, M.J.C., 2022, Evaluation of the Mechanical Properties of Three Resin-Modified Glass-Ionomer Materials, *BioMed research international*, 2022: 4690656.

- Samir, S., A., M. dan Hussein, B., 2022, Flupride release and Solubility of New Bioactive Restoratives used in Pediatric Dentistry Part 1 (Fluoride Release), *Journal of Research in Medical and Dental Science*, 10(3): 168-174.
- Shafqat, Z., Munir, N., Inayat, N., Khan, M. A., Fareed, M. A., dan Zafar, M. S., 2023, *Journal of composites science*, 7(10): 1-15.
- Spajic, J., Par, M., Milat, O., Demoli, N., Bjelovucic, R., dan Prskalo, K., 2019, *Effects of curing modes on the microhardness of resin-modified glass ionomer cements*, *Acta Stomatologica Croatica*, 53(1): 37-46.
- Septishelya, P.F., Nahzi, M.Y.I., dan Dewi, N., 2016, Kadar kelarutan fluor Glass Ionomer Cement setelah perendaman air sungai dan akuades, *J Kedokteran Gigi Indonesia*, 2(2): 95-100.
- Shishehian, A., Amiri, F., Izadi, A., Abbasi, S., Farhadian, M., dan Shahbazi, A., 2021, Comparison of Sorption and Solubility Behavior of Four Different Types of Glass Ionomer Luting Cements in Artificial Saliva, *Avicenna J Dent Res*, 13(3): 97-101.
- Sidhu, S. dan Nicholson, J., 2016, A Review of Glass-Ionomer Cements for Clinical Dentistry, *Journal of Functional Biomaterials*, 7(3): 16.
- Suchý, T., Bartoš, M., Sedláček, R., Šupová, M., Žaloudková, M., Martynková, G. S., dan Foltán, R., 2021, Various simulated body fluids lead to significant differences in collagen tissue engineering scaffolds, *Materials*, 14(16).
- Wijayanti, N., dan Hartoyo, D. L. A. D., 2022, Perbedaan Kekerasan Resin Modified Glass Ionomer Cement dan Kompomer pada Pengguna Obat Kumur Alkohol dan Non Alkohol, *J Stomatognatic*, 19(2):142-146.
- Wulandari, E., Ramadhani, A., Sumono, A., Nugroho, R., Supriyadi, Dewanti, I., D., A., Y., 2023, *International Journal of Medical Science and Clinical Research Studies*, 3(11): 2631-2635.
- Yehia, Y. H., Ibrahim, A. H., Abou-Auf, E., dan Elzoghbi, A. F., 2022, Clinical Evaluation of Bioactive Restorative Material versus Resin Modified Glass Ionomer in Cervical Restorations: A Randomized Controlled Clinical Trial, *Open Access Macedonian Journal of Medical Sciences*, 10: 33–40.
- Yilmaz, B., Pazarceviren, A. E., Tezcaner, A., dan Evis, Z., 2020, Historical development of simulated body fluids used in biomedical applications: A review, *Microchemical Journal*, 155(2020): 1-10.