

DAFTAR PUSTAKA

- Algailani, U., Alshaikhli, L. O., Zahawi, A., Alzbeede, A., Diyya, A. S. M., Osman, O., (2022), Comparing occlusal and cervical microleakage in class V restorations using two different nanohybrid resin composite with different insertion techniques, *Materials Today: Proceedings*, 60: 11736-1740.
- AlHabdan, A. A., (2017), Review of Microleakage Evaluation Tools, *J Int Oral Health*, 9(4): 141-145.
- Alkhudhairy, F. I., dan Ahmad. Z. H., (2016), Comparison of Shear Bond Strength and Microleakage of Various Bulkfill Bioactive Dentin substitutes: An in Vitro Study, *JCDP*, 7(12): 997-1002.
- Amaireh, A. I., Jundi, S. H., dan Alshraideh, H. A., (2019), In vitro evaluation of microleakage in primary teeth restored with three adhesive materials: ACTIVA™, composite resin, and resin-modified glass ionomer, *Eur Arch Paediatr Dent*, 20: 359-367.
- Andari, E. S., Wulandari, E., dan Robin, D. M. C., (2014), Efek Larutan Kopi Robusta Terhadap Kekuatan Tekan Resin Komposit Nanofiller, *Stomatognatic*, 11(1): 6-11.
- Anusavice, K. J., Shen, C., dan Rawls, H. R., (2013), *Phillips' Science of Dental Materials*, 12th Ed, Elsevier, Missouri, h. 93, 293.
- Baig, M. M., Mustafa, M., Al-Jeaidi, Z. A., dan Al-Muhaiza, M., (2013), Microleakage evaluation in restorations using different resin composite insertion techniques and liners in preparations with high c-factor – An in vitro study, *Saudi J Dent Res*, 2013(4): 57-64.
- Banerjee, A., dan Watson, A. F., (2014), *Pickard Manual: Konservatif Restoratif*, EGC, Volume 9, London, h. 9, 99.
- Benetti, A., R. Mirchou, S., Larsen, L., Peutzfeldt, A., Pallesen, U., dan Dijken, J. W. V., (2019), Adhesion and marginal adaptation of a claimed bioactive restorative material, *Biomater Investig Dent*, 6(1): 90-98.
- Bhadra, D., Shah, N. C., Rao, A. S., Dedania, M. S., dan Bajpai, N., (2019), A 1-year comparative evaluation of clinical performance of nanohybrid composite with Activa™ bioactive composite in Class II carious lesion: A randomized control study, *J Conserv Dent*, 22(1): 92-96.
- Braga R. R., (2019), Calcium phosphates as ion-releasing fillers in restorative resin-based materials, *Dent Mater*, 35(1): 3-14.

- Burke, F. J. T., (2015), Dental Materials: What Goes Where? Class V Restorations, *Dent Update*, 42(9): 829-839.
- Croll, T. P., Berg, J. H., dan Donly, K. J., (2015), Dental Repair Material: A Resin-Modified Glass-Ionomer Bioactive Ionic Resin-Based Composite, *Compend Contin Educ Dent*, 36(1): 1–8.
- Dennison J. B., dan Sarrett, D. C., (2012), Prediction and diagnosis of clinical outcomes affecting restoration margins, *Journal of Oral Rehabilitation*, 39: 301-318.
- Devara A. R., Lunardhi, C. G. J., dan Yuanita, T., (2016), Perbedaan Kebocoran Tepi antara GIC Konvensional dan *Resin Modified* GIC pada Restorasi Kelas V, *Conservative Dentistry Journal*, 6(2): 77-81.
- Dewi, T. U. S., Sudibyo, dan Harniati, E. D., (2018), Microleakage Resin Bis-GMA dan RMGIC Fissure Sealant pada Perubahan Suhu Rongga Mulut, *Prosiding Seminar Nasional Mahasiswa Unimus*, 1: 20-27.
- Dinakaran, D. S., (2014), Sorption and Solubility Characteristics of Compomer, Conventional and Resin Modified Glass-Ionomer Immersed In Various Media, *IOSR-JDMS*, 13(3): 41–45.
- Ebaya, M. M., Ali, A. I., dan Mahmoud, S. H., (2019), Evaluation of Marginal Adaptation and Microleakage of Three Glass Ionomer-Based Class V restorations: In Vitro Study, *Eur J Dent*, 13: 599-606.
- Enam, F., Mursalat, M., Guha, U., Aich, N., Anik, M. I., Nisha, N. S., Esha, A. A., dan Khan, M. S., (2017), Dental erosion potential of beverages and bottles drinking water in Bangladesh, *Int J Food Pro.*, 20 (11): 2499-2510.
- Eriwati Y. K., Dhiaulfikri, M., dan Herda, E., (2020), Effect of Salivary pH on Water Absorption and Solubility of Enhanced Resin-Modified Glass Ionomer, *J Dent Indones*, 27(3): 164-169.
- Fibriyanto, E., (2020), (Tinjauan Pustaka) Bahan Adhesif Restorasi Resin Komposit, *JKGT*, 2(1), 8-13.
- Francois, P., Fouquet, V., Attal, J. P., dan Dursun, E., (2020), Commercially Available Fluoride-Releasing Restorative Materials: A Review and a Proposal for Classification, *Materials (Basel)*, 13: 1-28.
- Gajewski, V. E. S., Pfeifer, C. S., Salgado, N. R. G., Boaro, L. C. C., dan Braga, R. R., (2012), Monomers Used in Resin Composites: Degree of Conversion, Mechanical Properties and Water Sorption/Solubility, *Braz Dent J*, 23(5): 508-514.

- Garg, N., dan Garg, A., (2015), *Textbook of Operative Dentistry, 3rd Ed*, Jaypee Brothers Medical Publishers, New Delhi, h. 1, 65-66, 261, 447, 475-479, 481, 501, 504-505.
- Garoushi, S., Vallittu, P., dan Lassila, L., (2018), Characterization of Fluoride Releasing Restorative Dental Materials, *Dent Mater J*, 37(2): 293-300.
- Hilton, T. J., dan Ferracane, J. L., (2013), *Summitt's Fundamentals of Operative Dentistry: A Contemporary Approach, 4th Ed*, Quintessence Publishing, h. 137, 335, 778.
- Hooshmand, T., Tabari, N., dan Keshvad, A., (2013), Marginal leakage and microhardness evaluation of low-shrinkage resin-based restorative materials, *Gen Dent*, 61(1): 46-50.
- Imbery, T. A., Namboodiri, A., Duncan, A., Amos, R., Best, A. M., dan Moon, P. C., (2013), Evaluating Dentin Surface Treatments for Resin-Modified Glass Ionomer Restorative Materials, *Oper Dent*, 38(4): 429-438.
- Irawan I. J., dan Wicaksono, I. A., (2022), Review Artikel: Penggunaan Material Bioaktif dalam Terapi Sel Punca untuk Karies Gigi, *Medical Sains*, 7(3): 491-504.
- Kasraei, S., Haghi, S., Valizadeh, S., Panahandeh, N., dan Nejadkarimi, S., (2021), Phosphate Ion Release and Alkalizing Potential of Three Bioactive Dental Materials in Comparison with Composite Resin, *Int J Dent*, 1(1): 1-7.
- Khoroushi, M., Karvandi, T. M., Kamali, B., dan Mazaheri, H., (2012), Marginal microleakage of resin modified glass ionomer and composite resin restorations: Effect of using etch and rinse and self etch adhesives, *Indian J Dent Res*, 23(3): 6-8.
- Korkut, E., Gezgin, O., Tulumbaci, F., Ozer, H., dan Sener, Y., (2017), Comparative Evaluation of Mechanical Properties of A Bioactive Resin Modified Glass Ionomer Cement, *Eu Dishek Fak Derg*, 38(3): 170-175.
- Kurniawati, A. D., dan Tjandrawinata, R., (2014), Pengaruh perendaman infused water dan penyikatan gigi terhadap kekasaran permukaan semen ionomer kaca modifikasi resin, *Jurnal Material Kedokteran Gigi*, 3(2): 67-74.
- Kwon, T. Y., Bagheri, R., Kim, Y. K., Kim, K. H., dan Burrow, M. F., (2012), Cure mechanisms in materials for use in esthetic dentistry, *J Investig Clin Dent*, 3(1): 3-16.
- Mosallam, S. M., Abdel-Gawad, R., Shehaby, F., dan Elchaghaby, M., (2021), Evaluation of Remineralization Potential of ACTIVA Bioactive Restorative Material Versus Resin Modified Glass Ionomer in Restoration of Premolars: In Vitro Study, *ASDS*, 5(5): 159-166.

- Nascimento, M. M., Dilbone, D. A., Pereira, P. N. R., Duarte, W. R., Geraldeli, S., dan Delgado, A. J., (2016), Abfraction lesions: etiology, diagnosis, and treatment options, *Clin Cosmet Investig Dent*, 2016(8): 79-87.
- Nematollahi, H., Bagherian, A., Ghazvini, K., Esmaily, H., dan Mehr, M. A., (2017), Microbial microleakage assessment of class v cavities restored with different materials and techniques: A laboratory study, *Dent Res J (Isfahan)*, 14(5), 344-350.
- Ningsih, D. S., (2014), Resin Modified Glass Ionomer Cement sebagai Material Alternatif Restorasi untuk Gigi Sulung, *Odonto Dental Journal*, 1(2): 46-48.
- Normayanti, N., Soetojo, A., dan Pribadi, N., (2018), The difference between residual monomer dentin bonding HEMA and UDMA with acetone and ethanol solvent after binding to type I collagen, *Dental Journal*, 51(4): 169-172.
- Nurhapsari, A., dan Kusuma, A. R. P., (2018), Penyerapan Air dan Kelarutan Resin Komposit Tipe Microhybrid, Nanohybrid, Packable dalam Cairan Asam, *Odonto Dental Journal*, 5(1): 67-75.
- Omidi, B. R., Naeini, F. F., Dehghan, H., Tamiz, P., Savadroobari, 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.
- Owens, B. M., Phebus, J. G., dan Johnson, W. W. (2018), Evaluation of the marginal integrity of a bioactive restorative material, *Gen Dent*, 66(3): 32-36.
- Ozera, E. H., Pascon, F. M., Correr, A. B., Puppini-Rontani, R. M., de Castilho, A. R., Correr-Sobrinho, L., dan de Paula, A. B., (2019), Color stability and gloss of esthetic restorative materials after chemical challenges, *Braz Dent J*, 30(1): 52-57.
- Pameijer, C. H., Godoy, F. G., Morrow, B. R., dan Jefferies, S. R., (2015), Flexural strength and flexural fatigue properties of resin-modified glass ionomers, *J Clin Dent*, 26: 23-27.
- Perez, C. D. R., Gonzalez, M. R., Prado, N. A. S., de Miranda, M.S.F., Macêdo, M. A. D., dan Fernandes, B. M. P., (2012), Restoration of Noncarious Cervical Lesions: When, Why, and How, *Int J Dent*, 2012: 1-8.
- Powers, J. M., dan Wataha, J. C., (2017), *Dental Materials Foundation and Applications*, 11th Ed, Elsevier, Missouri, h. 15, 16, 186-195.

- Ridhani, M. A., Erlita, I., dan Elsa, Y., (2021), Pelepasan Ion Kalsium pada Resin Komposit Bioaktif setelah Direndam Minuman Probiotik dan Sari Buah Jeruk, *Dentin Jurnal Kedokteran Gigi*, 5(1): 21-25.
- Rifai, H., Qasim, S., Mahdi, S., Lambert, M. J., Zarazir, R., Amenta, F., Naim, S., dan Mehanna, C., (2022), In-vitro evaluation of the shear bond strength and fluoride release of a new bioactive dental composite material, *J Clin Exp Dent*, 14(1): 55-63.
- Ritter, A. V., Boushell, L. W., dan Walter, R., (2019), *Sturdevant's Art and Science of Operative Dentistry*, 7th Ed, Elsevier, Missouri, h. 136, 139-141, 253-255.
- Ruengrungsom, C., Burrow, M. F., Parashos, P., Palamara, J. E., (2020), Evaluation of F, Ca, and P release and microhardness of eleven ion-leaching restorative materials and the recharge efficacy using a new Ca/P containing fluoride varnish, *J Dent*, 102: 1-12.
- Sagmak, S., Bahsi, E., Ozcan, N., dan Satici, O., (2020), Comparative Evaluation of Antimicrobial Efficacy and Fluoride Release of Seven Different Glass-Ionomer-Based Restorative Materials, *Oral Health Prev Dent*, 18(3): 521-527.
- Sakaguchi R., Ferracane, J., dan Powers, J., (2019), *Craig's Restorative Dental Materials*, 14th Ed, Elsevier, Missouri, h. 127, 149.
- Shafiei, F., Yousefipour, B., dan Farhadpour, H., (2015), Marginal microleakage of a resin-modified glass-ionomer restoration: Interaction effect of delayed light activation and surface pretreatment, *Dent Res J*, 12(3): 224-230.
- Sidhu, S. K., dan Nicholson, J. W., (2016), A Review of Glass-Ionomer Cements for Clinical Dentistry, *J Funct Biomater*, 7(16): 1-15.
- Sooraparaju, S. G., Kanumuru, P. K., Nujella, S. K., Konda, K. R., Reddy, B. K., dan Penigalapati, S., (2014), A Comparative Evaluation of Microleakage in Class V Composite Restorations, *Int J Dent*, 2014: 1-4.
- Steiger, E. L., Muelli, J. R., Braissant, O., Waltimo, T., dan Fraenhoffer, M., (2020), Effect of divalent ions on cariogenic biofilm formation, *BMC Microbiol*, 20(1): 1-17.
- Stewardson, D., Creanor, S., Thornley, P., Bigg, T., Bromage, C., Browne, A., Cottam, D., Dalby, D., Gilmour, J., Horton, J., Roberts, E., Westoby, L., dan Burke, T., (2012), The survival of Class V restorations in general dental practice: part 3, five-year survival, *Br Dent J*, 212(14): 1-9.

- Sungkar, S., (2014), Peran Kondisioner pada Adhesi Bahan Restorasi Semen Ionomer Kaca dengan Struktur Dentin (Tinjauan Pustaka), *Cakradonya Dental Journal*, 6(2): 678-744.
- Sutrisman, H., Abidin, T., dan Agusnar, H., (2014), Pengaruh chitosan belangkas (Tachypleus gigas) nanopartikel terhadap celah antara berbagai jenis semen ionomer kaca dengan dentin, *Dental Journal*, 47(3): 121-125.
- Vaid, D. S., Shah, N. C., dan Bilgi, P. S., (2015), One year comparative clinical evaluation of EQUIA with resin-modified glass ionomer and a nanohybrid composite in noncarious cervical lessions, *J Conserv Dent*, 18(6) : 449-452.
- Vidyanara, I. R., Giri, P. R. K., dan Kusumadewi, S., (2021), Perbedaan kebocoran mikro antara resin komposit fiber dan non fiber pada kavitas kelas I, *BDJ*, 5(1): 46-50.
- Wlodarczyk, A. S., Polikowski, A., Krasowski, M., Fronczek, M., Sokolowski, J., dan Bociong, K., (2022), The Influence of Low-Molecular-Weight Monomers (TEGDMA, HDDMA, HEMA) on the Properties of Selected Matrices and Composites Based on Bis-GMA and UDMA, *Materials*, 15: 1-10.
- 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 Maced J Med Sci*, 10: 33-40.
- Yulianto, H. D. K., Rinastiti, M., Cune, M. S., Haan-Visser, W. D., Atema-Smit, J., Busscher, H. J., dan Mei, H. C. V. D., (2019), Biofilm composition and composite degradation during intra-oral wear, *Dent Mater*, 35(5): 740-750.