UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Adawi, H., Reddy, K. N., Mattoo, K., Najmi, N., Arishi, M., Ageeli, A., Bahri, A., Khateeb, S. U., Sainudeen, S., Baba, S. M., Hamid, M. M. M., Shah, S. J., & Jeri, S. Y. (2024). Effects of Artificial Aging of Direct Resin Nano-Hybrid Composite on Mean Bond Strength Values for Veneer Ceramic Samples. *Medical Science Monitor*, *30*.

Ahn, K. H., Lim, S., Kum, K. Y., & Chang, S. W. (2015). Effect of preheating on the viscoelastic properties of dental composite under different deformation conditions. *Dental Materials Journal*, *34*(5), 702–706.

Assiri, M. (2018). Porcelain Laminate Veneers on a Vital and Non-Vitalabraded Maxillary Central Incisors: A Case Report. *Open Access Journal of Dental Sciences*, *3*(5), 1–7.

Batista, A., Palacios, N., & Ricardo, A. J. O. (2024). Zirconia Cementation: A Systematic Review of the Most Currently Used Protocols. *The Open Dentistry Journal*, *18*(1).

Beketova, A., Tzanakakis, E. G. C., Vouvoudi, E., Anastasiadis, K., Rigos, A. E., Pandoleon, P., Bikiaris, D., Tzoutzas, I. G., & Kontonasaki, E. (2023). Zirconia Nanoparticles as Reinforcing Agents for Contemporary Dental Luting Cements: Physicochemical Properties and Shear Bond Strength to Monolithic Zirconia. *International Journal of Molecular Sciences*, *24*(3).

Bengal, S., Badole, G. P., Shenoi, P. R., Kubde, R., & Shahu, S. (2024). Evaluation of Surface Roughness and Microhardness of Bulk-fill and Nanohybrid Composite after Exposure to Different Beverages at Various Time Intervals - An In vitro Study. *Annals of African Medicine*, *23*(3), 466–473.

Canada David Boudreau, H. (2023). Dental Zirconia Blank, Dental Zirconia Pre-Shaded Blank And Dental Zirconia Blank For Aesthetic Restoration. Upceradentalamerica.Com. upceradentalamerica.com

Carrasco, M., Rascón, N. ; A., & Barreras, S. U. (2020). Comparative Evaluation of Bond Strength of Self-Etching and Total Etch Dental Adhesive Systems to Dentin of Deciduous and Permanent Teeth. In *Int. J. Odontostomat* (Vol. 14, Issue 1).

Carrilho, E., Cardoso, M., Ferreira, M. M., Marto, C. M., Paula, A., & Coelho, A. S. (2019). 10-MDP based dental adhesives: Adhesive interface characterization and adhesive stability-A systematic review. In *Materials* (Vol. 12, Issue 5). MDPI AG.

Cengiz-Yanardag, E., Kurtulmus Yilmaz, S., Karakaya, I., & Ongun, S. (2019). Effect of Different Surface Treatment Methods on Micro-Shear Bond

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Strength of CAD-CAM Restorative Materials to Resin Cement. *Journal of Adhesion Science and Technology*, *33*(2), 110–123.

Cho, Y. E., Lim, Y. J., Han, J. S., Yeo, I. S. L., & Yoon, H. I. (2020). Effect of yttria content on the translucency and masking ability of yttria-stabilized tetragonal zirconia polycrystal. *Materials*, *13*(21), 1–10.

Choi, A. N., Lee, J. H., Son, S. A., Jung, K. H., Kwon, Y. H., & Park, J. K. (2017). Effect of dentinwetness on the bond strength of universal adhesives. *Materials*, *10*(11).

Chorshanbaeva, S., Guerra, F., Rui, D., & Falacho, I. (2020). *A review on luting techniques for indirect restorations: resin cements vs thermo-modified composite resins*.

Coelho, N. F., Barbon, F. J., Machado, R. G., Bocato, N., & Moraes, R. R. (2019a). Response of composite resins to preheating and the resulting strengthening of luted feldspar ceramic. *Dental Materials*, *35*(10), 1430–1438.

Da Rosa, W. L. D. O., Piva, E., & Da Silva, A. F. (2015). Bond strength of universal adhesives: A systematic review and meta-analysis. In *Journal of Dentistry* (Vol. 43, Issue 7, pp. 765–776). Elsevier Ltd.

D'Amario, M., Pacioni, S., Capogreco, M., Gatto, R., & Baldi, M. (2013). Effect of repeated preheating cycles on flexural strength of resin composites. *Operative Dentistry*, *38*(1), 33–38.

Demirbuga, S., Balkaya, H., & Akay, A. T. (2024). Comparison of a Self-Adhesive Resin Cement, a Conventional and a Bulk-Fill Resin Composite for Luting of Indirect Restorative Materials; the Effect of Thickness and Material Factors on Translucence, Monomer Conversion and Resin-Dentin Bond Strength. *Cumhuriyet Dental Journal*, *27*(4), 173–183.

Dendouga, S. (2019). *The Effect of Preparation in Dentin on Porcelain Veneers' Survival Scientific Archives Of Dental Sciences* (Vol. 2).

Diana, S. (2014). Perbedaan Kekuatan Geser Pelekatan Resin Komposit Packable Dengan Intermediate Layer Resin Komposit Flowable Menggunakan Bonding Total-Etch Dan Self Adhesive Flowable Terhadap Dentin. *Jurnal Kedokteran Gigi*.

Diana, S., Azizah, A., Studi Kedokteran Gigi, P., Kedokteran Gigi, F., Lambung Mangkurat Banjarmasin, U., Ilmu Konservasi Gigi, D., & Ilmu Kesehatan Gigi Masyarakat, D. (2020). *Pengaruh Minuman Energi dan Susu Fermentasi Terhadap Pelepasan Ion Fosfat dan Fluor Resin Komposit Bioaktif* (Issue 3).

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Dindaroğlu, F. Ç., & Yılmaz, E. (2024). Two-year evaluation of a nano-hybrid and a bulk-fill resin composite: a randomized, double-blind split-mouth clinical study. *Clinical Oral Investigations*, *28*(4).

Dionysopoulos, D., Tolidis, K., Gerasimou, P., & Koliniotou-Koumpia, E. (2014). Effect of preheating on the film thickness of contemporary composite restorative materials. *Journal of Dental Sciences*, *9*(4), 313–319.

Duarte, J. C. L., Costa, A. R., Veríssimo, C., Duarte, R. W., Filho, S. C., Spohr, A. M., Borges, G. A., & Correr-Sobrinho, L. (2020). Interfacial stress and bond strength of bulk-fill or conventional composite resins to dentin in class ii restorations. *Brazilian Dental Journal*, *31*(5), 532–539.

Elbanuswatri, Dipoyono, H. M., & Wahyuningtyas, E. (2016). Pengaruh Jenis Surface Treatment Dan Semen Resin Terhadap Kekuatan Geser Perlekatan Permukaan Zirconia Dengan Semen Gigi Tiruan Cekat. *Jurnal Kedokteran Gigi*, 34–40.

Elkady, M., Abdelhakim, S., & Riad, M. (2024). The clinical performance of dental resin composite repeatedly preheated: A randomized controlled clinical trial. *Journal of Dentistry*, *144*.

Elkaffas, Ali. A., Hamama, H. H. H., & Mahmoud, S. H. (2018). Do universal adhesives promote bonding to dentin? A systematic review and meta-analysis. *Restorative Dentistry & Endodontics*, *43*(3).

Elmarakby, A. M., Alrashed, R. A., Albadr, R. M., Alfareh, A. M., Faihan Almutairi, A., Aldawood, F. N., & Altouri, L. S. (2019). Evaluation of Shear Bond Strength of Ceramic Laminate Veneers After Cementation with Different Types of Resin Cements. (An In-Vitro Study). In *An In-Vitro Study)". EC Dental Science* (Vol. 18).

Fahmi, A. G., & Najim, B. A. E.-S. (2020). Effect of Preheating on the Film Thickness of Different Composite Resin Used for Cementation of Indirect Restoration Comparative in-vitro Study. *International Journal of Pharmaceutical Research*, *12*(02), 3025–3029.

Falacho, R. I., Marques, J. A., Palma, P. J., Roseiro, L., Caramelo, F., Ramos, J. C., Guerra, F., & Blatz, M. B. (2022). Luting indirect restorations with resin cements versus composite resins: Effects of preheating and ultrasound energy on film thickness. *Journal of Esthetic and Restorative Dentistry*, *34*(4), 641–649.

Fibryanto, E. (2020). Bahan Adhesif Restorasi Resin Komposit. *Jurnal Kedokteran Gigi Terpadu*, *2*(1).

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Garg, N., & Garg, A. (2015). *Textbook of Operative Dentistry*.Gazal, S., Agrawal, S., Mathur, R., Sharma, D., Prajapati, H., & Kumar, P. (2024). To compare and evaluate the shear bond strength of sixth-, seventh-, and eighth-generation dentin bonding agents: An in vitro study. *Journal of Conservative Dentistry and Endodontics*, *27*(8), 807–810.

Ghodsi, S., Shekarian, M., Aghamohseni, M. M., Rasaeipour, S., & Arzani, S. (2023). Resin cement selection for different types of fixed partial coverage restorations: A narrative systematic review. In *Clinical and Experimental Dental Research* (Vol. 9, Issue 6, pp. 1096–1111). John Wiley and Sons Inc.

Giannini, M., Makishi, P., Ayres, A. P. A., Vermelho, P. M., Fronza, B. M., Nikaido, T., & Tagami, J. (2015). Self-Etch adhesive systems: A literature review. In *Brazilian Dental Journal* (Vol. 26, Issue 1, pp. 3–10). Associacao Brasileira de Divulgacao Cientifica.

Habib, E., Wang, R., & Zhu, X. X. (2018). Correlation of resin viscosity and monomer conversion to filler particle size in dental composites. *Dental Materials*, *34*(10), 1501–1508.

Hajjaj, M. S., Alhowirini, L. F., Alghamdi, R. S., Merdad, Y. M., Filemban, H. K., Bawazir, M., Alothman, K. A., Turkestani, N. Al, & Alzahrani, S. J. (2025). Effects of Preheating on the Mechanical Properties of Dental Composites. *Crystals*, *15*(7).

Hardan, L., Bourgi, R., Kharouf, N., Mancino, D., Zarow, M., Jakubowicz, N., Haikel, Y., & Cuevas-Suárez, C. E. (2021). Bond strength of universal adhesives to dentin: A systematic review and meta-analysis. In *Polymers* (Vol. 13, Issue 5, pp. 1–35). MDPI AG.

Heboyan, A., Vardanyan, A., Karobari, M. I., Marya, A., Avagyan, T., Tebyaniyan, H., Mustafa, M., Rokaya, D., & Avetisyan, A. (2023). Dental Luting Cements: An Updated Comprehensive Review. In *Molecules* (Vol. 28, Issue 4). MDPI.

Ilie, N., Schöner, C., Bücher, K., & Hickel, R. (2014). An in-vitro assessment of the shear bond strength of bulk-fill resin composites to permanent and deciduous teeth. *Journal of Dentistry*, *42*(7), 850–855.

Issa, R., Acar, N., & Ardlin, B. (2017). *Shear Strength Between Adhesive Cement and Yttria-Stabilized-Zirconia and Cobalt-Chrome Alloy With and Without Retentive Holes-an in vitro study* [Master's thesis, Umeå University]. urn:nbn:se:umu:diva-143863.

Jeaidi, A. Z. A., Alqahtani, M. A., Awad, M. M., Rodrigues, F. P., & Alrahlah, A. A. (2017). Bond strength of universal adhesives to air-abraded zirconia ceramics. *Journal of Oral Science*, *59*(4), 565–570.

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kabiri, S., Neshati, A., & Rohani, B. (2021). Effect of Different Surface Treatments and Pressure Conditions on Shear Bond Strength of Zirconia Ceramic to Composite Resin. *Frontiers in Dentistry*, *18*(Article 26), 1–7.

Kanniappan, G., Hari, P., & Jujare, R. H. (2022). Comparative Evaluation of Resin Dentin Interface using Universal and Total- Etch Adhesive Systems on Sound and Eroded Dentin: In Vitro Study. *European Journal of Dentistry*, *16*(1), 153–160.

Kanout, C. (2023). Evaluation of the Translucency Properties for CAD/CAM Full Ceramic Crowns Fabricated From Glass Ceramics (E.max) or High Translucency Zirconia (Lava Plus): A Clinical Study. *Cureus*.

Kaya, S., & Bektaş, Ö. Ö. (2022). Effect of in-Office Bleaching on the Surface Roughness of Different Composite Resins#. *Cumhuriyet Dental Journal*, *25*, 78–82.

Kern, M. (2015). Bonding to oxide ceramics - Laboratory testing versus clinical outcome. *Dental Materials*, *31*(1), 8–14.

Kim, M. J., Kim, Y. K., Kim, K. H., & Kwon, T. Y. (2011). Shear bond strengths of various luting cements to zirconia ceramic: Surface chemical aspects. *Journal of Dentistry*, *39*(11), 795–803.

Kowalska, A., Sokolowski, J., & Bociong, K. (2021). *polymers The Photoinitiators Used in Resin Based Dental Composite-A Review and Future Perspectives*.

Lousan Do Nascimento Poubel, D., Ghanem Zanon, A. E., Franco Almeida, J. C., Vicente Melo De Lucas Rezende, L., & Pimentel Garcia, F. C. (2022). Composite Resin Preheating Techniques for Cementation of Indirect Restorations. In *International Journal of Biomaterials* (Vol. 2022). Hindawi Limited.

Maghfira, H. S. (2022). *Perbandingan Kekuatan Geser Sementasi Preheated Resin Komposit dan Semen Resin Pada Bahan Restorasi Indirect Lithium Disilicate*. FKG, Universitas Islam Sultan Agung.

Malallah, A. D., & Hasan, N. H. (2022). Thickness and yttria percentage influences the fracture resistance of laminate veneer zirconia restorations. *Clinical and Experimental Dental Research*, *8*(6), 1413–1420.

Marcondes, R. L., Lima, V. P., Barbon, F. J., Isolan, C. P., Carvalho, M. A., Salvador, M. V., Lima, A. F., & Moraes, R. R. (2020a). Viscosity and thermal kinetics of 10 preheated restorative resin composites and effect of ultrasound energy on film thickness. *Dental Materials*, *36*(10), 1356–1364.

Marcondes, R. L., Moraes, R. R., Pereira, J. R., & de Carvalho, M. A. (2023). Preheated restorative composite resin for luting ceramic laminate veneers: An

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

optimized technique report. *Journal of Clinical and Experimental Dentistry*, *15*(2), e165–e168.

Matinlinna, J. P., Lung, C. Y. K., & Tsoi, J. K. H. (2018). Silane adhesion mechanism in dental applications and surface treatments: A review. In *Dental Materials* (Vol. 34, Issue 1, pp. 13–28). Elsevier Inc.

Mhole, M., Tandon, S., Gupta, S., Gosavi, H., Ali, A. R., & Kaul, M. (2025). Evaluation of clinical efficacy of Cention N and Tetric N-ceram in class I carious lesion in primary mandibular molars. *Journal of Oral Biology and Craniofacial Research*, *15*(6), 1231–1237.

Miftahul, O., Rafhani, M., & Diterbitkan, R. (2020). Buku Ajar Mata Kuliah Statistika "Aplikasi di Dunia Kesehatan."

Mitwalli, H. A., Baras, B. H., Saeed, S. S., Xu, H. H. K., & Weir, M. D. (2024). Testing mechanical properties and degree of conversion of resin-based composite material containing contact killing antibacterial agent in comparison with fluoride composite resin. *Saudi Dental Journal*, *36*(1), 99–104.

Mundim, F. M., Garcia, L. D. F. R., Cruvinel, D. R., Lima, F. A., Bachmann, L., & Pires-De-Souza, F. D. C. P. (2011). Color stability, opacity and degree of conversion of pre-heated composites. *Journal of Dentistry*, *39*(SUPPL. 1).

Mutlu, A., Atay, A., & Çal, E. (2021). Bonding Effectiveness of Contemporary Materials in Luting Glass-Ceramic to Dentine: An In Vitro Study. *Journal of Advanced Oral Research*, *12*(1), 103–111.

Naliani, S., Elias, S., & Tjandrawinata, R. (2020). Effect of light intensity, light-curing unit exposure time, and porcelain thickness of ips e.max press and vintage LD press on the hardness of resin cement. *Scientific Dental Journal*, *4*(1), 21.

Ning, K., Bronkhorst, E., Bremers, A., Bronkhorst, H., van der Meer, W., Yang, F., Leeuwenburgh, S., & Loomans, B. (2021). Wear behavior of a microhybrid composite vs. a nanocomposite in the treatment of severe tooth wear patients: A 5-year clinical study. *Dental Materials*, *37*(12), 1819–1827.

Nugroho, D. A., & Aditia, I. (2020). Perbedaan Kekuatan Geser antara Semen Resin Nanosisal Komposit 60% Wt dan Semen Resin Nanofiller Komposit. *Insisiva Dental Journal : Majalah Kedokteran Gigi Insisiva*, *9*(1).

Papia, E., Larsson C., du Toit M, & Vult von Steyern P. (2014). *Micromechanical Retention And Chemical Bonding To Polycrystalline dental ceramics (Studies on aluminum oxide and stabilized zirconium dioxide)*. Malmo University. se www.mah.se/muep

UNIVERSITAS GADJAH MADA
Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap Kekuatan Geser Pelekatan Restorasi Zirkonia
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Poubel, D. L. D. N., Zanon, A. E. G. Z., Almeida, J. C. F., Resende, L. V. M. de L., Vicente Melo De Lucas Rezende, L., Garcia, F. C. P. P. G. F. C., & Almeida, J. C. F. (2022). Composite Resin Preheating Techniques for Cementation of Indirect Restorations. In *International Journal of Biomaterials* (Vol. 2022). Hindawi Limited.

Raja, R. F., Ratih, D. N., & Agustiono, P. (2014). Kekuatan Geser Pelekatan Semen Resin Dengan Dan Tanpa Bahan Bonding Serta Dengan Dan Tanpa Penyinaran Pada Restorasi Indirek Resin Komposit. *Jurnal Kedokteran Gigi*.

Raposo, C. C., Marinho, L., Nery, S., Carvalho, E. M., Vitor, P., Ferreira, C., Ardenghi, D. M., Bauer, J., & Lima, D. M. (2023). Effect of preheating on the physicochemical properties and bond strength of composite resins utilized as dental cements: An in vitro study. *The Journal of Prosthetic Dentistry*.

Razumova, S. N., Brago, A. S., Ruda, O. R., Guryeva, Z. A., & Adzhieva, E. V. (2024). Universal adhesive systems in dentistry: A narrative review. *Russian Journal of Dentistry*, *28*(5), 512–521.

Ritter, A., Boushell, L. W., & Walter, R. (2018). *Sturdevant's Art and Science of Operative Dentistry - 7th Edition (2018)*.

Rohr, N., & Fischer, J. (2017). Tooth surface treatment strategies for adhesive cementation. *Journal of Advanced Prosthodontics*, *9*(2), 85–92.

Saikaew, P., Sattabanasuk, V., Harnirattisai, C., Chowdhury, A. F. M. A., Carvalho, R., & Sano, H. (2022). Role of the smear layer in adhesive dentistry and the clinical applications to improve bonding performance. In *Japanese Dental Science Review* (Vol. 58, pp. 59–66). Elsevier Ltd.

Sakaguchi, R. L., & Powers, J. M. (2012). Role and Significance of Restorative Dental Materials. In *Craig's Restorative Dental Materials*. Elsevier.

Saraswati, W., Hadinata, A. T. S., & Sukaton. (2019). The effect of self etch and total etch bonding systems application on microleakage of bulkfill flowable composite restoration in carbonated drink immersion. *Conservative Dentistry Journal*, *9 no 2*, 87–92. https://e-journal.unair.ac.id/CDJ

Sato, T., Takagaki, T., Hatayama, T., Nikaido, T., & Tagami, J. (2021). Update on Enamel Bonding Strategies. In *Frontiers in Dental Medicine* (Vol. 2). Frontiers Media S.A.

Sikri, V. K. (2017). *Indirect Restorations in Dental Practice Second Edition*.

Sinha, I. (2023). Adhesive Cementation of Ceramic Restorations: A Comprehensive Review. *INNOSC Theranostics and Pharmacological Sciences*, *6*(1), 28–34.

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Siqueira, F. S. F. de, Cardenas, A. M., Ocampo, J. B., Hass, V., Bandeca, M. C., Gomes, J. C., Reis, A., & Loguercio, A. D. (2018). Bonding Performance of Universal Adhesives to Eroded Dentin. *J Adhes Dent*, *20*, 121–132.

Sofan, E., Sofan, A., Palaia, G., Tenore, G., Romeo, U., & Migliau, G. (2017). -. In *Annali di Stomatologia: Vol. VIII* (Issue 1).

Souza, R., Barbosa, F., Araújo, G., Miyashita, E., Bottino, M. A., Melo, R., & Zhang, Y. (2018). Ultrathin monolithic zirconia veneers: Reality or future? report of a clinical case and one-year follow-up. *Operative Dentistry*, *43*(1), 3–11.

Spiller, M. S. (2020). *Dental Composites: A Comprehensive Review*. www.dentallearning.org.

Sriamporn, T., Thamronganansku l, N., Busabok, C., Poolthong, S., Uo, M., & Tagami, J. (2014). Dental zirconia can be etched by hydrofluoric acid. *Dental Materials Journal*, *33*(1), 79–85.

Tafuri, G., Xhajanka, E., Hysenaj, N., & Sinjari, B. (2025). Mechanical and biocompatibility testing of zirconia and lithium disilicate ceramics: An in vitro study. *Journal of Prosthetic Dentistry*, *133*(2), 593.e1-593.e8.

Taniş, M. Ç., & Akçaboy, C. (2015). Effects of different surface treatment methods and MDP monomer on resin cementation of zirconia ceramics an in vitro study. *Journal of Lasers in Medical Sciences*, *6*(4), 174–181.

Tanjung, S., Djuanda, R., & Evelyna, A. (2014). Perbedaan Kekuatan Geser Perlekatan (Shear Bond Strength) Antara Self-Adhering Flowable Composite dan Flowable Composite dengan Sistem Adhesif Self-Etch pada Dentin. *SONDE (Sound of Dentistry)*, *4*(1), 16–25.

Tayal, A., Niyogi, A., Adhikari, H. Das, Adhya, P., & Ghosh, A. (2021). Comparative evaluation of effect of One Coat 7 Universal and Tetric N-Bond Universal adhesives on shear bond strength at resin-zirconia interface: An in vitro study. *Journal of Conservative Dentistry*, *24*(4), 336–340.

Tomaselli, L. de O., de Oliveira, D. C. R. S., Favarão, J., da Silva, A. F., Pires-De-Souza, F. de C. P., Geraldeli, S., & Sinhoreti, M. A. C. (2019). Influence of pre-heating regular resin composites and flowable composites on luting ceramic veneers with different thicknesses. *Brazilian Dental Journal*, *30*(5), 459–466.

Topbaş, C., & Öztekin, F. (2024). How Do Endodontic Irrigation Solutions Affect the Surface Roughness of Bulk Fill Resin Composite? *Current Research in Dental Sciences*, *34*(2), 111–115.

UNIVERSITAS
GADJAH MADA
**Pengaruh Surface Treatment dan Jenis Resin Komposit Preheated Sebagai Bahan Sementasi Terhadap
Kekuatan Geser Pelekatan Restorasi Zirkonia**
Agatha Ristyawati, Dr. drg. R. Tri Endra Untara, M.Kes, Sp.KG, Subsp. KR
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Tribst, J. P. M., Etoeharnowo, L., Tadros, M., Feilzer, A. J., Werner, A., Kleverlaan, C. J., & Dal Piva, A. M. de O. (2023). The influence of pre-heating the restoration and luting agent on the flexural strength of indirect ceramic and composite restorations. *Biomaterial Investigations in Dentistry*, *10*(1).

Van Ende, A., De Munck, J., Diogo, /, Lise, P., & Meerbeek, B. Van. (2017). Bulk-Fill Composites: A Review of the Current Literature. *J Adhes Dent*, *19*(2), 95–109.

Vieira, B. R., Dantas, E. L. D. A., Cavalcanti, Y. W., Santiago, B. M., & Sousa, F. B. De. (2022). Comparison of Self-Etching Adhesives and Etch-and-Rinse Adhesives on the Failure Rate of Posterior Composite Resin Restorations: A Systematic Review and Meta-Analysis. In *European Journal of Dentistry* (Vol. 16, Issue 2, pp. 258–265). Georg Thieme Verlag.

Vohra, F., Altwaim, M., Alshuwaier, A. S., Alomayri, A., Al Deeb, M., AlFawaz, Y. F., Alrabiah, M., Al Ahdal, K., Al Deeb, L., & Abduljabbar, T. (2020). Bond integrity and microleakage of dentin-bonded crowns cemented with bioactive cement in comparison to resin cements: in vitro study. *Journal of Applied Biomaterials and Functional Materials*, *18*.

Yamauchi, K., Tsujimoto, A., Jurado, C. A., Shimatani, Y., Nagura, Y., Takamizawa, T., Barkmeier, W. W., Latta, M. A., & Miyazaki, M. (2019). Etch-and-rinse vs self-etch mode for dentin bonding effectiveness of universal adhesives. *Journal of Oral Science*, *61*(4), 549–553.

Ye, Z., Jiang, J., Yang, L., Xu, T., Lin, Y., & Luo, F. (2023). Research Progress and Clinical Application of All-Ceramic Micro-Veneer. In *Materials* (Vol. 16, Issue 8). MDPI.

Yu, P., Xu, Y. X., & Liu, Y. S. (2022). Polymerization shrinkage and shrinkage stress of bulk-fill and non-bulk-fill resin-based composites. *Journal of Dental Sciences*, *17*(3), 1212–1216.

Yudistian, I. (2021). Bulk Fill Composite Resin Restoration Techniques Repllace Incremental Techniques. *Interdental Jurnal Kedokteran Gigi (IJKG)*, *17*(1), 9–14.

Yue, X., Hou, X., Gao, J., Bao, P., & Shen, J. (2019). Effects of MDP-based primers on shear bond strength between resin cement and zirconia. *Experimental and Therapeutic Medicine*.

Zubaidah, N., Mayangsari, M. A., & Mudjiono, M. (2019). Journal of International Dental and Medical Research ISSN 1309-100X Volume • 12 • Number • 2 • 2019. *J Int Dent Med Res*, *12*(2), 498–503.