

DAFTAR PUSTAKA

- Alshargawi, W. K., Tawhari, F. E., Aladwani, A. S., Hassanein, Z. A., Fageeh, S. N., Almeshrf, A. W., Alamani, S. F., Neyaz, A. A., Albalbisi, A. W., Alsadiq, B. M., & Alasmari, A. A. (2024). The effectiveness of direct versus indirect restoration techniques following canal therapy. *International Journal of Community Medicine and Public Health*. <https://doi.org/10.18203/2394-6040.ijcmph20242686>
- Ariani RD, Guilherme A, Leonardo HS et al. Effect of different post-cure polymerization treatment on composite resin hardness. *RGO, Rev. Gaúch. Odontol.* 2015. Vol. 63(4):426-431. <https://doi.org/10.1590/1981-863720150003000082908>
- Aung, S. Z., Takagaki, T., Ikeda, M., Nozaki, K., Burrow, M. F., Abdou, A., Nikaido, T., & Tagami, J. (2021). The effect of different light curing units on Vickers microhardness and degree of conversion of flowable resin composites. *Dental materials journal*, 40(1), 44–51. <https://doi.org/10.4012/dmj.2019-353>
- Azeem RA, Sureshbabu NM. Clinical performance of direct versus indirect composite restorations in posterior teeth: A systematic review. *J Conserv Dent*. 2018 Jan-Feb;21(1):2-9. https://doi.org/10.4103/JCD.JCD_213_16.
- Bayar N, Nezir M, Özcan S. In-vitro Testing Methods For The Evaluation Of The Mechanical Properties Of Composite Resins. *ADO Klinik Bilimler Dergisi*.2024;13(3):550-61. <https://doi.org/10.54617/adoklinikbilimler.1435652>
- Carrillo-Cotto, R., da Silva, A. F., Isolan, C. P., Selayaran, R. P. G., Selayaran, M., Lima, F. G., & Münchow, E. A. (2021). Effects of alternatively used thermal treatments on the mechanical and fracture behavior of dental resin composites with varying filler content. *Journal of the mechanical behavior of biomedical materials*, 117, 104424. <https://doi.org/10.1016/j.jmbbm.2021.104424>
- Catelan, A., Santo, M. R., Menegazzo, L. M., Moraes, J. C., & dos Santos, P. H. (2013). Effect of light curing modes on mechanical properties of direct and indirect composites. *Acta odontologica Scandinavica*, 71(3-4), 697–702. <https://doi.org/10.3109/00016357.2012.715193>
- de Kuijper, M. C. F. M., Cune, M. S., Özcan, M., & Gresnigt, M. M. M. (2023). Clinical performance of direct composite resin versus indirect restorations on treated posterior teeth: A systematic review and meta-*Journal of prosthetic dentistry*, 130(3), 295–306. <https://doi.org/10.1016/j.prosdent.2021.11.009>
- ares, K., Correa, M. B., Cenci, M. S., Moraes, R. R., & Opdam, should my composite restorations last forever? Why are they



failing?. *Brazilian oral research*, 31(suppl 1), e56. <https://doi.org/10.1590/1807-3107BOR-2017.vol31.0056>

Desai, P. D., & Das, U. K. (2011). Comparison of fracture resistance of teeth restored with ceramic inlay and resin composite: an in vitro study. *Indian journal of dental research : official publication of Indian Society for Dental Research*, 22(6), 877. <https://doi.org/10.4103/0970-9290.94663>

Dias, M. F., Espíndola-Castro, L. F., Lins-Filho, P. C., Teixeira, H. M., Silva, C. H., & Guimarães, R. P. (2020). Influence of different thermopolymerization methods on composite resin microhardness. *Journal of clinical and experimental dentistry*, 12(4), e335–e341. <https://doi.org/10.4317/jced.56772>

Dimer, A. R., Arossi, G. A., Santos, L. H. dos, & Kappaun, D. R. (2015). Effect of different post-cure polymerization treatment on composite resin hardness. *RGO–Revista Gaúcha de Odontologia*, 63(4),426–431. <https://doi.org/10.1590/1981-863720150003000082908>

Duratbegović, D., Pervan, N., Jakupović, S., & Kobašlija, S. (2024). The Effects of Intensity, Exposure Time, and Distance of Polymerization Light on Vickers Microhardness and Temperature Rise of Conventional Resin-Based Composite. *Polymers*, 16(22), 3175. <https://doi.org/10.3390/polym16223175>

Heyder, M., Kranz, S., Wehle, B., Schulze-Späte, U., Beck, J., Hennig, C.-L., Sigusch, B. W., & Reise, M. (2024). Suitability of Direct Resin Composites in Restoring Endodontically Treated Teeth (ETT). *Materials*. <https://doi.org/10.3390/ma17153707>

Hirata, M., Koizumi, H., Tanoue, N., Ogino, T., Murakami, M., & Matsumura, H. (2011). Influence of laboratory light sources on the wear characteristics of indirect composites. *Dental materials journal*, 30(2), 127–135. <https://doi.org/10.4012/dmj.2010-043>

Imai, H., Koizumi, H., Kodaira, A., Okamura, K., Akahane, S., & Matsumura, H. (2019). Properties of indirect composites polymerized with laboratory light-emitting diode units. *Journal of oral science*, 61(1), 178–183. <https://doi.org/10.2334/josnusd.18-0147>

Jena, A., Mohapatra, S., & Shashirekha, G. (2016). Evaluation of the Effect of Protective Sleeve on Output Intensity of Light Emitting Diode Light Cure Units. *Journal of Dental Materials and Techniques*, 5(3), 120–124. <https://doi.org/10.22038/JDMT.2016.6847>



owski, J., & Bociong, K. (2021). The Photoinitiators Used in Resin composite-A Review and Future Perspectives. *Polymers*, 13(3), <https://doi.org/10.3390/polym13030470>

Lima, A. F., de Andrade, K. M., da Cruz Alves, L. E., Soares, G. P., Marchi, G. M., Aguiar, F. H., Peris, A. R., & Mitsui, F. H. (2012). Influence of light source and extended time of curing on microhardness and degree of conversion of different regions of a nanofilled composite resin. *European journal of dentistry*, 6(2), 153–157.

Luo, Q., & Kitchen, M. (2023). Microhardness, Indentation Size Effect and Real Hardness of Plastically Deformed Austenitic Hadfield Steel. *Materials (Basel, Switzerland)*, 16(3), 1117. <https://doi.org/10.3390/ma16031117>

Nandini S. (2010). Indirect resin composites. *Journal of conservative dentistry : JCD*, 13(4), 184–194. <https://doi.org/10.4103/0972-0707.73377>

Marović, Danijela & Pandurić, Vlatko & Tarle, Zrinka & Ristić, Mira & Šariri, Kristina & Demoli, Nazif & Klaric, Eva & Jankovic, Bernard & Prskalo, Katica. (2013). Degree of conversion and microhardness of dental composite resin materials. *Journal of Molecular Structure*. 1044. 299–302. <https://doi.org/10.1016/j.molstruc.2012.10.062>.

Oh, S., Kim, H.J., Kim, HJ. *et al.* Influence of irradiation distance on the mechanical performances of resin composites polymerized with high-irradiance light curing units. *Biomater Res* 26, 18 (2022). <https://doi.org/10.1186/s40824-022-00267-5>

Price, R. B., Ferracane, J. L., Hickel, R., & Sullivan, B. (2020). The light-curing unit: An essential piece of dental equipment. *International dental journal*, 70(6), 407–417. <https://doi.org/10.1111/idj.12582>

Qaraghuli, A. M., Signore, A., Benedicenti, S., Halawani, M. T. E., & Solimei, L. (2022). Comparison and Effect of Common Beverages on Color Stability of Different Esthetic Restorative Materials: An *In Vitro* Study. *The journal of contemporary dental practice*, 23(11), 1085–1090. <https://doi.org/10.5005/jp-journals-10024-3419>

Shafadilla, V.A., Usman, M., Margono, A., 2017. Effects of distance from tip of LED light-curing unit and curing time on surface hardness of nano-filled composite resin. *J. Phys. Conf. Ser.* 884 (1). <https://doi.org/10.1088/1742-6596/884/1/012095>

Saritha, T., Sunitha, C., Chanikya, S. S., & Naveen, R. (2022). High-Intensity Light-Emitting Diode and Reduced Curing Times—An *In Vitro* Study. *The Journal of Orthodontic Society*, 57(1), 10–16. <https://doi.org/10.1177/03015742221080386>



D., Mijiritsky, E., Dekel, M., Ben-Amar, A., Ormianer, Z. and
(5) The Effect of the Light Intensity and Light Distances of LED
g Devices on the Hardness of Two Light-Cured Nano-Resin
Materials Sciences and Applications, 6, 1071-1083.
[10.4236/msa.2015.611106](https://doi.org/10.4236/msa.2015.611106)

Souza RO, Ozcan M, Mesquita AM, De Melo RM, Galhano GA, Bottino MA, Pavanelli CA. Effect of different polymerization devices on the degree of conversion and the physical properties of an indirect resin composite. *Acta Odontol Latinoam*. 2010;23(2):129-35. PMID: 21053686.

Torres, C. R. G., Prado, T. P., Ávila, D. M. D. S., Pucci, C. R., & Borges, A. B. (2024). Influence of Light-Curing Time and Increment Thickness on the Properties of Bulk Fill Composite Resins With Distinct Application Systems. *International journal of dentistry*, 2024, 2123406. <https://doi.org/10.1155/2024/2123406>

