

DAFTAR PUSTAKA

- Alhavaz, A., dan Jamshidy, L., 2015, Comparison of the *marginal gap* of zirconia-fabricated copings generated by CAD/CAM and Copy-Milling methods, *Dental Hypotheses*, 6(1):23-26
- Ahlholm, P., Sipilä, K., Vallittu, P., Jakonen, M., dan Kotiranta, U, 2018, Digital versus conventional impressions in fixed prosthodontics: A review, *Journal of Prosthodontics*, 27(1): 35–41, <https://doi.org/10.1111/jopr.12527>
- Annusavice, 2013, *Phillips' Science of Dental Materials*, Elsevier Saunders, Missouri, 452.
- Attia, M. A., Radwan, M. M., Blunt, L., Bills, P., Tawfik, A. S. B., Arafa, A., 2023, Effect of different sintering protocols on the fracture strength of 3-unit monolithic gradient zirconia fixed partial dentures: An in vitro study, *Journal of Prosthetic Dentistry*, 130(6): 1- DOI: 10.1016/j.prosdent.2023.09.012.
- Beuer, F., Schweiger, J., dan Edelhoff, D., 2008, Digital dentistry: an overview of recent developments for CAD/CAM generated restorations, *British Dental Journal*, 204(9): 505-511
- Calamita, M.A., 2022, *Esthetics in Function, Integrating Occlusal Principles into Smile Design*, Quintessence Publishing, Berlin, 267.
- Carr, A. B., dan Brown, D. T., 2016, *McCracken's Removable Partial Prosthodontics 13th Edition*, Elsevier, Missouri, 4.
- Coachman, C., Georg, R., Bohner, L., Rigo, L.C., and Sesma, N., 2020, Chairside 3D digital design and trial restoration workflow, *The Journal Of Prosthetic Dentistry*, 124 (5) : 514-520
- Cortes, A. R. G., 2022, Digital versus *Conventional* Workflow in Oral Rehabilitations: Current Status, *MDPI*, 12, 3710: 1-3
- Demir, N., Ozturk, A.N., Malkoc, M.A., 2014, Evaluation of the marginal fit of full ceramic crowns by the microcomputed tomography (micro-CT) technique. *Eur J Dent*, 8, 437–444. <https://doi.org/10.4103/1305-7456.143612>
- Dentsply Sirona, 2024, inLab MC X5 Efficient and flexible, diakses pada <https://www.dentsplysirona.com/content/dam/master/product-procedure-brand-categories/lab/product-categories/cad-cam-with-inlab/brochures-flyers/LAB-brochure-inLab-MC-X5-EN-web.pdf> pada 06 Oktober 2024 pukul 20.40

Dentsply Sirona, 2024, inLab Profire sinter furnace process safety for the dental lab, diakses pada https://www.dentsplysirona.com/content/dam/flagship/en/explore/lab/inlab/equipment/inlab_brochures/brochures_en/LAB-brochure-inlab-profire-sintering-furnace-en.pdf pada 06 Oktober 2024 pukul 20.42

Doriguêto, P.V.T., Almeida, D., Lima, C.O., Lopes, R.T., and Devito, K.L., 2022, Assessment of *marginal gaps* and image quality of crowns made of two different restorative materials: An in vitro study using CBCT images, *J Dent Res Dent Clin Dent Prospects*, 16(4), 243-250

El-Eskandarany, M. S., 2020, *Mechanical Alloying*, Elsevier, Kuwait, 55-92

Emini, 2013, Gigi Tiruan dan Perilaku Ibadah, *Jurnal Health Quality*, 4(1): 28-31.

Essa, H. A. A., 2019, CAD/CAM in prosthodontics: A gate to the future, *International Journal of Applied Dental Sciences*, 5(3): 394-397

Fasih, P., Tavakolizadeh, S., Sedaghat Monfared, M., Sofi-Mahmudi, A., Yari, A., 2023, Marginal fit of monolithic versus layered *zirconia* crowns assessed with 2 *marginal gap* methods, *The Journal of Prosthetic Dentistry*, 130(2): 1-7

Güth, J. F., Stawarczyk, B., Edelhoff, D., dan Liebermann, A, 2019, *Zirconia* and its novel compositions: What do clinicians need to know?, *Quintessence international*, 50(7), 512–520. <https://doi.org/10.3290/j.qi.a42653>

Harsono, V., dan Prabowo, H., 2012, Dental implant as an alternative treatment for single tooth loss rehabilitation, *Dentofasial*, 11(3): 170-173.

Husain, N.A., Özcan, M. dan Dydyk, N., 2022, *Conventional, Speed Sintering* and *High-Speed Sintering* of *Zirconia*: A Systematic Review of the Current Status of Applications in Dentistry with a Focus on Precision, Mechanical and Optical Parameters, *Journal of Clinical Medicine*, 11(4892):1-15

Institut Teknologi Bandung, 2024, X-Ray Micro-CT Scanner Facility, diakses pada <https://kpmfmipa-itb.id/ct-scan/> pada 06 Oktober 2024 pukul 21.23

Irfandi, 2023, Dental Bridge Procedure to Straighten Loose Teeth, A Review, *Journal of Syiah Kuala Dent Soc (JDS)*, 8(1): 76-83

Jalalian, E., Rostami, R., Berivan Atashkar, 2011, Comparison of Chamfer and Deep Chamfer Preparation Designs on the Fracture Resistance of *Zirconia* Core Restorations, Dental Clinics, *J Dent Res Dent Clin Dent Prospects*, 5(2):41–45. doi: [10.5681/joddd.2011.009](https://doi.org/10.5681/joddd.2011.009)

- Kauling, A. E., Güth, J., Erdelt, K., Edelhoff, D., dan Keul, C., 2020, Influence of *speed sintering* on the fit and fracture strength of 3-unit monolithic *zirconia* fixed partial dentures, *The Journal of Prosthetic Dentistry*, 124 (3): 380-386
- Khan, M. F., Khan, M. I., and Kato, I. (2023). Structural and functional variation of human oral microbiome in health and disease. *Microbiome and the Eye: What's the Connection?*, 19–86. <https://doi.org/10.1016/B978-0-323-98338-9.00002-5>
- Khayat, W., Chebib, N., Finkelman, M., Khayat, S., Ali, A., 2018, Effect of grinding and polishing on roughness and strength of *zirconia*. *Journal of Prosthetic Dentistry*, 119, 626–631. <https://doi.org/10.1016/j.prosdent.2017.04.003>
- Kim, J., Lee, H., Son, S., Hong, S., dan Park, J., 2023, Evaluation of the intaglio surface trueness and fit of *zirconia* crowns fabricated using different machining strategies with a chairside CAD/CAM system, *International Journal of Computerized Dentistry*, 2023 (01): 1-25
- Kim, M., Ahn, J., Kim, J., Kim, H., dan Kim, W., 2013, Effects of the *sintering* conditions of dental *zirconia* ceramics on the grain size and translucency, *The Journal of Advanced Prosthodontics*, 5(2):161–166.
- Kongkiatkamon, S. dan Peampring, C., 2022, Effect of *Speed Sintering* on Low Temperature Degradation and Biaxial Flexural Strength of 5Y-TZP *Zirconia*, *Molecules*, 27(5272):1-13
- Kulyk, V., Duriagina, Z., Kostryzhev, A., Vasylyv, B., Vavrukh, V., Marenych, O., 2022, The Effect of Yttria Content on Microstructure, Strength, and Fracture Behavior of Yttria-Stabilized *Zirconia*, *Materials MDPI*, 15(5212):1-16. <https://doi.org/10.3390/ma15155212>
- Kwon, W., dan Park, M., 2021, Evaluation of mechanical properties of dental *zirconia* in different *milling* conditions and *sintering* temperatures, *The Journal of Prosthetic Dentistry*, 130(6):909-916
- Lee, S., Choi, G., Choi, J., Kim, Y., dan Kim, H., 2023, Effect of high-*speed sintering* on the marginal and internal fit of CAD/CAM-fabricated monolithic *zirconia* crowns, *Scientific Reports Nature Portfolio*, 2023 (13): 1-10
- Mahmoud, S.A. and Kanaan, S.M., 2022, Influence of *sintering* technique on fracture load of monolithic *zirconia* with different thicknesses, *Journal of Osseointegration*, 14(1): 31–37

- Manicone, P.F., Iommetti, P.R., Raffaelli, L., 2007, An overview of *zirconia* ceramics: basic properties and clinical applications, *J Dens*, 35 (2007): 819-826
- Maroiu, A., Sinescu, C. Duma, V., Rominu, M., 2021, Micro-CT and Microscopy Study of Internal and *Marginal gap* to Tooth Surface of Crenelated versus *Conventional* Dental Indirect Veneers, *Medicina MDPI*, 57(772): 1-26
- Miyazaki, T., Hotta, Y., Kunii, J., Kuriyama, S., dan Tamaki, Y, 2009, A review of dental CAD/CAM: current status and future perspectives from 20 years of experience, *Dental Materials Journal*, 28(1):44–56. <https://doi.org/10.4012/dmj.28.44>
- Moncayo, A.M., Peñate, L., Arregui, M., Giner-Tarrida, L., Cedeño, R., 2023, State of the Art of Different *Zirconia* Materials and Their Indications According to Evidence-Based Clinical Performance: A Narrative Review, *Dent J (Basel)*, 11(18):1-18 <https://doi.org/10.3390/dj11010018>
- Oleivera, A.R., Ziglioli, N.U., Marcho, S.M.S., Satterthwaite, J., and Borba, M., 2024, Effect of the CAD/CAM *Milling* Protocol on the Fracture Behavior of *Zirconia* Monolithic Crowns, *Materials MDPI*, 17, 2981: 1-13
- Ozden, Y.E., Guncu, M. B., dan Canay, S., 2022, Effect of *sintering* time on the marginal and internal fit of monolithic *zirconia* crowns containing 3–4 mol% Y₂O₃, *BMC Oral Health*, 22(493):1-8
- Refaie, A., Fouda, A., Bourauel, C., dan Singer, L., 2023, *Marginal gap* and internal fit of 3D printed versus milled monolithic *zirconia* crowns, *BMC Oral Health*, (2023) 23:448
- Samra, A. P. B., Morais, E., Mazur, R.F., Vieira, S.R., dan Rached, R.N., 2016, CAD/CAM in dentistry – a critical review, *Journal of Dental Science*, 31(3):140-144
- Sannino, G., Germano, F., Arcuri, L., Bigelli, E., Arcuri, C., and Barlattani, A., 2014, CEREC CAD/CAM Chairside System, *Oral & Implantology*, 7:3(57-70)
- Shely, A., Lugassy, D., Anufriev, M., Nissan, J., Rauchwerger, O., Ben-Izhack, G., 2024, SEM Evaluation of the *Marginal gap* of *Zirconia*-Reinforced Lithium Silicate Full Crowns and the Effect of Post Crystallization: An In Vitro Study, *MDPI*, 12(3):1-10
- Wallum, A.J., Raimondi, C., Lien, W., Hoopes, W.L., Vandewalle, K.S., 2024, Effect of *Milling Speed* on the Properties of *Zirconia* Restorations, *J Clin Exp Dent*, 16(1):84-9

- Tamrakar, A.K., Rathee, M., dan Mallick, R., 2014, CAD/CAM in Prosthodontics – A Futuristic Overview, *Annals of Dental Speciality*, 2(1):14-15
- Thongpun, N., Thongbai-on, N., Sithiamnuai, P., and Suputtamongkol, K., 2016, Evaluation of marginal and internal gaps of all-ceramic crowns using X-ray micro-computed tomography, *M Dent J*, 37 (1): 57-63
- Trifkovic, B., Budak, I., Todorovic, A., Hodolic, J., Puskar, T., Jevremovic, D., and Vukelic, D., 2012, Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, *Measurement Science Review*, 3(12): 90-97
- Turkyilmaz, I., Wilkins, G.N., Varvara, G., 2021, Tooth preparation, digital design and *milling* process considerations for CAD/CAM crowns: Understanding the transition from analog to digital workflow, *Journal of Dental Sciences*, 16 (2021): 1312-1314. <https://doi.org/10.1016/j.jds.2021.04.005>
- Zhang, F., Van Meerbeek, B., Vleugels, J., 2020, Importance of tetragonal phase in high-translucent partially stabilized *zirconia* for dental restorations. *Dental Materials* 36, 491–500. <https://doi.org/10.1016/j.dental.2020.01.017>