

## DAFTAR PUSTAKA

- Aldegheishem, A., AlDeeb, M., Al-Ahdal, K., Helmi, M. and Alsagob, E.I. (2021) Influence of reinforcing agents on the mechanical properties of denture base resin: A systematic review, *Polymers*, 13(3083): 1–12.
- Alibeigi, M. dan Jannesari, A. (2017) Effect of nano-silica on the mechanical properties of acrylic-based polyurethane clearcoats, *Progress in Organic Coatings*, 106(1):90–96.
- American Elements (2025) Hydroxyapatite nanoparticles, *American Elements The Materials Science Manufacturer*.
- Anusavice, K. J., Shen, C., & Rawls, H. R. (Eds.). (2023). *Phillips' Science of Dental Materials* (12th ed.). St. Louis: Elsevier.
- Arifiadi, F. dkk. (2021) *SINTESIS DAN KARAKTERISASI HIDROKSIAPATIT-GIBSIT Synthesis And Characterization of Hydroxyapatite-Gibbsite*, *Jurnal Keramik dan Gelas Indonesia*, 30(2):78-89.
- Asopa, V. dkk. (2015) A comparative evaluation of properties of zirconia reinforced high impact acrylic resin with that of high impact acrylic resin, *Saudi Journal for Dental Research*, 6(2): 146–151.
- Bernaditha C. dkk., (2023) Pengaruh penambahan hidroksiapatit bahan basis gigi tiruan resin akrilik polimerisasi panas terhadap penyerapan air: studi eksperimental laboratoris, *Jurnal Kedokteran Gigi Universitas Padjajaran*, 35(3): 245–250.
- Crawford, R. J. & Martin, P. J. (2016) *Brydson's Plastics Materials*. 8th edn. Oxford: Butterworth-Heinemann. Tersedia di: <https://www.sciencedirect.com/book/9780323358248/brydsons-plastics-materials> (Diakses pada: 30 March 2025).
- Eakle, W. S., dan Hatrick, C. D. (2014). *Dental Materials: Clinical Applications for Dental Assistants and Dental Hygienists* (3rd ed.). St. Louis: Elsevier Health Sciences.
- Fathoni A.M. dkk., (2023) Pengaruh perendaman resin akrilik heat cured dalam tablet effervescent daun tembakau 75% terhadap kekasaran permukaan: studi eksperimental laboratoris, *Jurnal Kedokteran Gigi Universitas Padjajaran*, 35(3): 256–260.
- Firdaus, A.M. (2019). *Pengaruh Penambahan Hidroksiapatit Tulang Sapi terhadap Kekuatan Impak Plat Gigi Tiruan Resin Akrilik Polimerisasi Panas* (Skripsi Sarjana). Universitas Gadjah Mada. Tersedia di:

<https://etd.repository.ugm.ac.id/penelitian/detail/180210> [Diakses pada 20 Maret 2025].

Gad, M.M. dkk. (2017) PMMA denture base material enhancement: A review of fiber, filler, and nanofiller addition, *International Journal of Nanomedicine*. 2017(12): 3801–3812.

Ghaffari, T. and Hamed-Rad, F. (2015) ‘Effect of silver nano-particles on tensile strength of acrylic resins’, *Journal of Dental Research, Dental Clinics, Dental Prospects*, 9(1): 40–43

Giat, S.S. dkk., (2012) Hidroksiapatit Berpori dari Kulit Kerang, *Jurnal Sains Materi Indonesia*, (2012)1:31-35.

Golshokouh, dkk., (2024) Effects of 5 Nanosilica Concentrations and Humid Environments at 6 Different pH Levels on Fracture Toughness and Moisture Absorption of Dental Polymethyl Methacrylate Resin Reinforced With Silica Nanoparticles: An Explorative Experimental Scanning Electron Microscopy Study, *Clinical and Experimental Dental Research*, 10(6):1-18.

Hassan, Z., Hatim, N. dan Taqa, A. (2014) Study the FTIR of Hydroxyapatite Additive to Heat Cured Acrylic Resin, *Al-Rafidain Dental Journal*, 14(1):32–36.

Kementerian Kesehatan Republik Indonesia (2018). *Laporan Nasional Riset Kesehatan Dasar (Riskesdas) 2018*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan, Kementerian Kesehatan RI.

Kumar dan Santhanam M (2003). Particle Packing Theories and Their Application in Concrete Mixture Proportioning: A Review, *The Indian Concconcrete Journal*, 77(9):1324-1331.

Kusumawardani, C.D.N. dkk. (2020) Effect of hydroxyapatite addition towards porosity level and compressive strength of heat-cured acrylic resin base, *Jurnal Kedokteran Gigi Universitas Padjadjaran*, 32(2): 91.

Lestari dkk., (2023) Immediate Denture Sebagai Gigi Tiruan Yang Membantu Penampilan Dan Fonetik Seseorang, *Journal of Social Science Search*, 3(5):1–10.

Manappallil, J.J., 2003, *Basic Dental Materials*, Jaypee Brothers Medical Publishers, New Delhi, hal 102, 122-126.

Martins, A.M.C. dkk. (2021) The effect of complete dentures on edentulous patients’ oral health-related quality of life in long-term: A systematic review and meta-analysis, *Dental Research Journal*. (2021)1:1-21.

- Mohamed, S.H. (2025) Reinforced filler in denture base materials. *Advances in Dentures – Prosthetic Solutions, Materials and Technologies*. 2025(1):1-22.
- Natrayan dkk., (2022). Influence of nanosilica particle addition on mechanical and water retention properties of natural flax- and sisal-based hybrid nanocomposites under NaOH conditions. *Research Article*, 2022(1):1-11.
- Oetami, S. dan Handayani, M. (2021) Gigi Tiruan Lengkap Resin Akrilik Pada Kasus Full Edentulous, *Jurnal Ilmu*, 2021(1):1-22
- Pantow, Felicia P. C. C., Siagian, Krista V., Pangemanan, Damajanty H. C., 2015, Perbedaan Kekuatan Transveral Basis Resin Akrilik Polimerisasi Panas Pada Perendaman Minuman Beralkohol dan Aquades, *Jurnal e- GiGi*. 3 (2): 398-402.
- Pertiwisari, A. (2023) Klasifikasi Resin Akrilik untuk Gigi Tiruan, *DENThalib Journal*, 1(3):80–83.
- Power, J. M., Sakaguchi, R. L., 2006, *Craig's Restorative Dental Materials*, 12<sup>th</sup> ed., Mosby Elsevier, Missouri, hal 66-68, 518.
- Ratnajanchai M. dkk., (2021) Heat-Cured Poly(Methyl Methacrylate) Resin Incorporated With Different Food Preservatives As An Anti-Microbial Denture Base Material, *Journal of Dental Sciences*, (2021)16:706-712.
- Qazi, A. dkk.. (2022) A comparative evaluation of masticatory efficiency and patient satisfaction between single implant-supported mandibular overdentures and conventional dentures in edentulous patients: A systematic review, *Journal of Osseointegration*, 14(4):226–236.
- Rajak dkk., (2019) Recent progress of reinforcement materials: a comprehensive overview of composite materials, *Journal MATER RES TECHNOL*, 8 (6):6354–6374.
- Rangarajan, V. dan Padmanabhan, T.V. (2013) *Textbook of Prosthodontics*. Edisi ke-1. Elsevier Health Sciences.
- Raszewski Zbiginiew (2021). Modification of acrylic resins with bioactive fillers for ion release in dental prosthetics. *Journal of Dental Materials*, 40(2):234-242.
- Redfern, J. dkk.(2022) The denture microbiome in health and disease: an exploration of a unique community, *Letters in Applied Microbiology*. 75(2):195–209.

- Salman, A.D., Jani, G.H. dan Fatalla, A.A. (2017) Comparative study of the effect of incorporating SiO<sub>2</sub> nano-particles on properties of poly methyl methacrylate denture bases, *Biomedical and Pharmacology Journal*, 10(3).
- Santoso, William Adi., Soekobagiono., Salim, Sherman., 2012, Kekuatan Transversa Resin Akrilik Heat Cured yang Ditambah Ultra High Molecular Weight Polyethylene Fiber, *Journal of Prosthodontics*, 3 (2) : 6-11.
- Sebayang dan Dahar, 2025, Perbedaan Efek Penambahan Hidroksiapatit pada Bahan Basis Gigi Tiruan Resin Akrilik Polimerisasi Panas Terhadap Kekuatan Impak : Studi Eksperimental Laboratoris, *Jurnal Kedokteran Gigi UNPAD*, 37(1): 76-83.
- Setyowati dkk. (2022) The Technique for Making Aesthetic Acrylic Resin Removable Partial Dentures in An Anterior Cross Bite Case. *Journal of Vocational Health Studies*. 06(2022):78-84
- Shahkar, L. dkk., (2024) Fabrication and characterization of PMMA denture base nanocomposite reinforced with hydroxyapatite and multi-walled carbon nanotubes, *Diamond & Related Materials*, 147(2024): 1–14.
- Sharma, A dan Tabassum A. Evaluation of patient satisfaction for retention, masticatory efficacy, aesthetics and comfort for Removable Partial denture: A Retrospective study. *International Journal of Applied Dental Sciences*. 2018; 4(1): 91-93.
- Sugianitri, N.K. dan Suhendra, S. (2021) Impact Strength Test On Addition Of Agave Sisalana Fiber And E-Glass Fiber In Acrylic Resin Dental Plate Repair, *Interdental Jurnal Kedokteran Gigi (IJKG)*, 17(1), pp. 49–55.
- Van Noort, R. (2013) *Introduction to Dental Materials*. 4th edn. St. Louis: Mosby Elsevier.
- Yazdimamaghani, M. dkk (2013) Synthesis and Characterization of Encapsulated Nanosilica Particles with an Acrylic Copolymer by in Situ Emulsion Polymerization Using Thermoresponsive Nonionic Surfactants, *materials*, 6(1).
- Zheng, H. dkk. (2023) Influence of edentulism on the structure and function of temporomandibular joint, *Heliyon*. 9(10):1-12.