

DAFTAR PUSTAKA

- Acosta-Torres, L.S., Arenas, M.C., Nunez-Anita, R.E., Barcelo, S.F.H., Alvarez, G.C.A., Palacios-Alquisira, J., Fente H.J., Cajero, J.M., Castano, V.M., (2014) Nanopigmented acrylic resin cured indistinctly by waterbath or microwave energy of dentures. *Hindawi*. 1(2).
- Agarwal, B., Singh, R.D., Raghav, D., Shekhar, A., Yadav, P., (2009) Determination of fluoride release and strength of a fluoride treated heat cured acrylic resin. *EASJ Dent Oral Med*. Vol-1, Iss-6:108-111.
- Agtini M.D., Sintawati, Tjahja I., (2005) Fluor dan Kesehatan Gigi. *Media Litbang Kesehatan*. 15(2): 25-31.
- Aiba, Y., Nakamura, M., Joshita, S., (2011) Genetic polymorphisms in CTLA 4 and SLC4A2 are differentially associated with the pathogenesis of primary biliary cirrhosis in Japanese patients. *J Gastroenterol* 46:1203-1212
- Al-Bakri, I.A., Swain, M.V., Naoum, S.J., Al-Omari, W.M., Martin, E., Ellakwa, A., (2014) Fluoride release, recharge and flexural properties of polymethylmethacrylate containing fluoridated glass fillers. *Aust Dent J*;59:208-214.
- Al-Bakri., Harty. D., Al-Omari, W.M., Swain, M.V., Chrzanowski, W., Ellakwa A., (2014) Surface characteristics and microbial adherence ability of modified polymethylmethacrylate by fluoridated glass fillers. *Australian Dental Journal*. 59(4)482-489.
- Anusavice, KJ., Shen, C., Rawls R., (2013) *Philips' Science of Dental Materials*, edisi 12, USA : Elsevier Saunders.
- Anusavice, KJ., Zhang, N.Z., Shen, C. (2005) Effect of CaF₂ content on rate of fluoride release from filled resins. *J Dent Res*. 84:440-444.
- Aruna, P.V., Bondarde, P., Vishwakarma, P., Dodamani, A.S., Mujawar, S., Bansal, S., Alkali soluble fluoride and structurally bound fluoride to the enamel surface. *International Journal of Clinical Pediatric Dentistry*. 10.5005-2449.
- Azarpazhooh, A., & Main, P.A., (2008). Fluoride varnish in the prevention of dental caries in children and adolescents: a systematic review. *Journal (Canadian Dental Association)*. 74(1), 73–79.
- Baat, C., (2009) Elderly people and removable partial dentures. *Ned Tijdschr Tandheelkd*.116:665–8.

- Bicer, A.Z.Y., Peker, I., Akxa, G., (2014) In vitro Antifungal Evaluation of Seven Different Disinfectants on Acrylic Resins. *BiomedResearchINT*. vol (9)
- Buzalaf, M.A., Hannas, A.R., Magalhaes, A.C., Rios, D., Honorio, H.M., Delbem, A.C., (2010) pH cycling models for in vitro evaluation of the efficacy of fluoridated dentifrices for caries control: strengths and limitations. *J Appl Oral Sci*.18:316-334.
- Car, A.B., Brown, D.T., (2016) McCracken's Removable Partial Prosthodontics, 13th ed. Elsevier;pp 232-233.
- Chen, Y., Zhang, C., Chen. X., (2006) Emulsifier-free latex of fluorinated acrylate copolymer. *Eur Polym J*. 42:694-701.
- Chersoni, S., Angelica, B., David, H.P., Frank, T., (2010) In vivo effects of fluoride on enamel permeability. *Clin Oral Invest*. DOI 10.1007/s00784-010-04096-x.
- Combe EC. 1992. Notes on dental materials. 6th ed. Edinburg. London, Melbourne, New York: Churchill Livingstone.p.123-5
- Craig, G.R., (2002) Restorative Dental Material. 11th ed. *Mosby Inc*:st.Louis Missouri:480-2.
- Cruz, R.A., Rolla, G., (1991) The importance of calcium fluoride as fluoride reservoir on enamel surfaces. *Rev Odont*.5:134-139.
- Chersoni, S., Angelica, B., David, H.P., Frank, T., (2010) In vivo effects of fluoride on enamel permeability. *Clin Oral Invest*. DOI 10.1007/s00784-010-04096-x.
- Combe EC. 1992. Notes on dental materials. 6th ed. Edinburg. London, Melbourne, New York: Churchill Livingstone.p.123-5
- Craig, G.R., (2002) Restorative Dental Material. 11th ed. *Mosby Inc*:st.Louis Missouri:480-2.
- Cruz, R.A., Rolla, G., (1991) The importance of calcium fluoride as fluoride reservoir on enamel surfaces. *Rev Odont*.5:134-139.
- De Freitas, S.L.A., Brandt, W.C., Miranda, M.E., Vitti, R.P., (2018) Effect of Thermocycling, Teeth and Polimerization Methods on Bond Strength Teeth Denture Base. *Hindawi*:1:2

- Dhull, K.S., Nadlal, B., (2009) Comparative evaluation of fluoride release from PRG Composites and compomer on application of topical fluoride: an in-vitro study. *J.Indian Soc Pedod Prev Dent.* 27:27-32
- Dijkman, G.E., (1997) Long term fluoride release of visible light activated composite in vitro: a correlation with in situ demineralization data. *Caries Res.* 27:117- 23
- Dionysopoulos, D., (2014) The effect of fluoride releasing restorative materials on inhibition of secondary caries formation. *Fluoride.* 47:258-265.
- Diyar, B., Sabir, Zana, Omer, (2019) Evaluation of fluoride release from orthodontic acrylic resin, *EDJ.* Vol.2. No.1
- Dogan, F., Civelek, A., Oktay, I., (2004) Effect of different fluoride concentrations on remineralization of demineralized enamel: an in vitro pH-cycling study. *J of the Black Sea Countries.* 1:20-26
- Domen, K., Sterbenk, P., Artnik, B., (2016) Fluoride: a Review of use and effect on health. *Mater Sociomed.* 28: 133-137
- Drake, C.W., Beck, J.D., (1993) The oral status of elderly removable partial denture wearers. *Journal of Oral Rehabilitation.* 20:1:P 53-60
- Duckworth, R., Morgan, S., (1991) Oral Fluoride Retention after Use of Fluoride Dentifrices. *Caries Res.* 25, 123–129
- Eakle, W.S., Fetaherstone, J.D.B., Weintraub, J.A., Shain, S.G., Gansky, S.A., (2004) Salivary Fluoride levels following application of fluoride varnish or fluoriderinse. *Community Dentistry and Oral Epidemiology.* 32;6:462-469
- Emini, (2013) Gigi tiruan dan perilaku ibadah. *Journal Health Quality.* 4(1):28
- Featherstone, J.D.B., Glena, R., Shariati, M., Shields, C.P., (1990) Dependence of in vitro demineralization of apatite and remineralization of dental enamel on fluoride concentration. *J Dent Res.* 69 Spec No:620-5.
- Fejerskov, O., Nyrvad, B. & Kidd, E. (2015) Dental Caries : The disease and its clinical management. John Wiley & Sons, Ltd.
- Fernatubun, C.A., Pangemanan, D.H.C., Wowor, V.N.S., (2015) Gambaran Kerusakan Gigi Penyangga Pada Pengguna Gigi Tiruan Sebagai Lepas Di Kelurahan Batu Kota. *Jurnal e-Gigi (eG).* Volume 3, Nomor 1, Januari-Juni.

- Fujimoto, Y., Iwasa, M., Murayama, R., Miyazaki, Nagafuji, A., Nakatsuka, T., (2010) *Dent Mater J*;29:392-397.
- Freedman, R., Diefenderfer, K.E., (2003) Effects of daily fluoride exposures on fluoriderelease by glass ionomer based restoratives. *Oper Dent*.28:178-85.
- Garcez, R.M., Buzalaf, M.A., Araujo, P.A., (2007) Fluoride release of six restorative materials in water and pH-cycling solutions. *J.Appl Oral Sci*. 15:406-411.
- Gedalia, I., Strykovski, Y., Zilberman, Y., Brayer, L., (1977) Fluoride Treatment of Orthodontic Plates and Denture. *J of California*. 5;66:636-640.
- Goldstep, F., (2012) Dental Remineralization: simplified. *Medicine*.53488780
- Goodhew, P.J., Humprey, F.J., (1998) Electron Microscopy and Analysis. 2nd ed. London: Taylor & Francis. 160-6.
- Gunadi, H.A., Margo, A., Burhan, L.K., Suryatenggara, F., Setiabudi, I., (2012) *Buku Ajar Ilmu Geligi Tiruan Sebagian Lepas* Jilid 1. Jakarta: Hipokrates
- Hanna. E., Farhan, K.S., Gebreel, A., (2010) Effect of joint surface contours on the transverse and impact strength of denture base resin repaired by various methods. An In Vitro Study. *Journal of American Science*. 6(9) : 115-25
- Hayakawa, I., Akiba, N., Keh, E., Kasuga, Y., (2006) Physical properties of a new denturelining material containing a fluoroalkyl methacrylate polymer. *J Prosthet Dent*. 96:53-8
- Herawati, S., (2015) Jurnal gigi tiruan sebagian lepasan sebagai benda asing. *DENTJ*.38:3-03.
- Hinrics, J., (2012) The role of dental calculus and other local predisposing factors In: *Carranza clinical periodontology*. 11^{ed}.Philadelphia:WB Saunders Co:H.222-228
- Ismiyati, T., Saleh, S., (2011) Pengaruh Penambahan Fluor Pada Resin Akrilik terhadap Kekerasan Basis Gigi Tiruan Sebagian. Yogyakarta. *Maj.Ked.Gi*. 18(1):113-11641.
- Itota, T., Al-Naimi, O.T., Carrick, T.E., Yoshiyama, M., McCabe, J.F., (2005) Fluoride release from aged resin composites containing fluoridated glass filler. *DentMater*.21:1033–1038.
- Jensen, M.E., & Kohout, F (1988) The effect of fluoridated dentrifice on root and

coronal caries in an older adult population. *The Journal of the American Dental Association*. 117(7), 829-832.

Karantakis, P., Helvatjoglou, M.A., Pahini, S.T., Papadogiannis, Y., (2000) Fluoriderelease from three glass ionomers, a compomer and a composite resin in water, artificial saliva, and lactic acid. *Oper Dent*. 25(1):20-5

Kamijo, K., Mukai, Y., Tominaga, T., Iwaya, I., Fujino, F., Hirata, Y., & Teranaka, T. (2009) Fluoride release and recharge characteristics of denture base resins containing surface pre-reacted glass-ionomer filler. *Dent Mater J*. 28(2), 227-233.

Kiatsirirote, K., Sitthisetpong, T., Phantumvabit, P., Daniel, Chan, N., (2019) Fluoride Releasing Effect of a Modified Resin Denture Containing S-PRG Fillers on Salivary Fluoride Retention: A Randomized Clinical Study. *Caries Research*. 53:137-144.

Konig, K.G., Hoogrdoorn, (1981) *Prevensi dalam kedokteran gigi dan dasar ilmiahnya*. Gramedia, Jakarta: 13;42.

Korber, E., Lehmann, K., Pangidis, C., (1975) Control studies on periodontal and periodontal-gingival retention of partial prosthesis. *Dutch:Zahnartzl*:30:77-84.

Lacruz, R.S., Habelitz, S., Wright, J.T., dan Paine, M.L. (2017) Dental Enamel Formation and Implications for oral health and disease. *Physiol Rev*. 97(3):939-993.

Loveren, C.V., (1990) The antimicrobial action of fluoride and its role in caries inhibition, *J Dent Res*. 69:676-681

Ma, Y., Cao X., Feng, X., Ma, Y., Zou, H., (2007) Fabrication of super hydrophobic film from PMMA with intrinsic water contact angle below 90°. *J.Polymer*. 48(26):7455-7460.

Magdarina, D., Agtini, Sutopo. U., Sintawati, (1994) Studi Intervensi Pencegahan Karies Gigi dengan Tablet Fluor pada Murid Sekolah Dasar di Provinsi Kalimantan Barat. Laporan penelitian, Badan Penelitian dan Pengembangan Kesehatan. Depkes RI.

Magdarina, D., Agtini, Sintawati, Indirawati, Tjahja., (2005) Fluor dan Kesehatan Gigi. Laporan Penelitian. Media Litbang Kesehatan Volume XV Nomor 2.

Margolis, H.C., Moreno, E.C., Murphy, B.J., (1986) Effect of low levels of fluoride in solution on enamel demineralization in vitro. *J Dent Res*. 65(1):23-9.

Marsh, P. and Martin, M.V., (1999) *Oral Microbiology*, Ed Ke-4, Wright,

Oxford, hlm.34.

Marsh, P.D., (2004) Dental Plaque as a Microbial Biofilm, *J Caries Res.*38:204-11

Mazzaoui, S.A., Burrow, M.F., Tyas, M.J., (2000) Fluoride release from glass ionomer cements and resin composites coated with a dentin adhesive. *Dent Mater:*16(3):166-71.

Mc Cabe, J. F., Carrick, T.E., Sindhu, S.K., (2002) Determining low levels of fluoride released from resin based dental materials. *European Journal of Oral Science.* 110(5): 380-384.

Mc Cabe, Walls, A.W.G., John, F., (2014) Applied dental materials, 10th ed, London : Blackwell Munksgaard. 32-37;110-123.

Mukai, Y., Kamijo, K., Fujino, F., Hirata. Y., Teranaka, T., Ten, Cate., (2009) Effect of denture base resin with prereacted glass ionomer filler on dentin demineralization. *European J of OS.*V 117:6:750-754.

Mullane, D.M., Baez, R., Jones, S., Lennon, M., Petersen, P., (2016)nFluoride and Oral Health. *Community Dent Health.* 33;69-99

Munadziroh, E., (2004) Sitoksisitas resin akrilik jenis *heat cured* terhadap sel fibroblast. *Maj.Ked. Gigi (Denr. J).* Vol.37.No 2: 95-98

Murray, J. J., (1976) Fluoride Tooth Paste and Dental Caries, Bristol; 60 -86

Nallaswamy, D., (2003) Textbook of Prosthodontics. New Delhi: Jaypee Brothers, Medical Publishers. P.266-7

Niibu, I., Nakagaki, H., Kurosu, K., dan Weatherell, J.A., (1991) Distribution of fluoride across human primary enamel. *Archs Oral Biol.* Vol 36:8

Pawarti, F., (2017) Topical Fluoride Application dan Fissure Sealant untuk MencegahKaries pada Gigi Molar Satu Permanen. *JVK.* Pontianak 3(2), 98-102

Pengpid, S., Peltzer, K., (2018) The prevalence of edentulism and their related factorsin Indonesia, 2014/15. *BMC Oral Health.*18(1):1-9

Perdana, W., Diansari, V., Rahmayani, L., (2016) Distribusi frekuensi pemakaian gigi tiruan lepasan resin akrilik dan nilon termoplastik di beberapa praktek doktergigi di banda aceh. *Journal Caninus Denstistry.* 1(4): 1-5.5.

Philips, K. J. A., (1996) *Science of dental materials.* 10th.ed. Philadelphia: W.B.Saunders Company. (3 and 11);33-73 and 238-262

- Raszewski, Z., Nowakowska, D., Wieckiewicz, W., Toporowska, A.N., (2021) Release and Recharge of Fluoride Ions from acrylic resin modified with bioactive glass. *Polymers*. 13(7):1054
- Rawls, R., (2015) Fluoride Releasing Acrylics. *Journal of Biomaterials Applications*. Vol.1
- Riskesdas,(2018)http://labdata.litbang.kemkes.go.id/images/download/laporan/RKD/2018/Laporan_Nasional_RKD2018_FINAL.pdf (21/01/2021)
- Rathee, M., Jain, P., (2023) Embryology, teeth. StatPearl : Treasure Island. <https://www.ncbi.nlm.nih.gov/books/NKBK560515>
- Rodrigo, S., Lacruz, Stefan, Habelitz, J., Timothy, Wright, Michael, L., Paine. (2017) Dental Enamel Formation and Implications for Oral Health and Disease. *Physio Rev*. 97 (3):939-993.doi:10.1152/physrev.00030.2016
- Rodan, R., Al-Jabrah, O., Ajarmah, M., (2012) Adverse effects of removable partial dentures on periodontal status and oral health of partially edentulous patients. *JRMS*.19:53–8
- Rolla, G., Saxegard, E., (1990) Critical evaluation of the composition and use of topical fluorides with emphasis on the role of calcium fluoride in caries inhibition. *J.Dent Res*. 69:780-785.
- Roveri, N., (2008) Synthetic Biomimetic Carbonated-Hydroxyapatite Nanocrystals for Enamel Remineralization, *Advance Material Research*. Vols.47-50:821-824
- Roveri, N., Foresti, E., Lelli, M., Lesci, I.G (2009) Recent Advancement in Preventing Teeth Health Hazard: The Daily Use of Hydroxyapatite Instead of Fluoride. *Recent Patent on Biomedical Engineering*. Vol 2, 197-215
- Rugg-Gunn, A., (2013) Dental Caries: strategies to control this preventable disease. *Acta Medica Academica*. 42(2):113-130
- Sabir, D.B., Omer, Z.Q., (2019) Evaluation of fluoride release from orthodontic acrylic resin by using two different polymerizations techniques: an invitro study. *EDJ*.2(1).
- Salloum, A.M., (2016) Effect of three investing materials on tooth movement during flasking procedure for complete denture construction. *The Saudi Dental Journal*. 28:57.
- Sandra, W., Suwelo, Titi, P.I.Y., (2003) Perbedaan Penyerapan Fluor Pada

Email Gigi Sulung Antara Tumpatan Semen Ionomer Kaca Dan Kompomer Evaluasi Energy Dispersi X-Ray Spectrophotometry. *JKGUI*. 10:416-422.

Schmalz, G., Arentholt, D., (2009) *Biocompatibility of Dental Material*. Berlin: Springer.p.255

Singh, S., Palaskar, J.N., Mittal, S., (2013) Comparative evaluation of surface porosities in conventional heat polymerized acrylic resin cured by water bath and microwave energy with microwavable acrylic resin cured by microwave energy. *Contemporary Clinical Dentistry*. Vol 4: Iss:2

Sjögren, K., Birkhed, D., (1993) Factors Related to Fluoride Retention after Toothbrushing and Possible Connection to Caries Activity. *Caries Res*; 27, 474-477

Sriyono, N.W., (2009) *Pencegahan Penyakit Gigi dan Mulut Guna Meningkatkan Kualitas Hidup*. Yogyakarta : UGM

Stansbury, J.W., Antonucci, J.M., (1999) Dimethacrylate monomers with varied fluorinecontents and distributions. *J Dent Mater*. 15: 166-73

Svanberg, M., Mjor, I.A., Orstavik, D., (1990) Mutans streptococci in plaque from margins of amalgam, composite, and glass ionomer restorations. *J Dent Res*.69(3):861-4

Tandon, R., Gupta, S., Agarwai, S.K., (2010) Denture base materials : from past to future. *Indian Journal of Dental Sciences*; 2(2): 33-9.

Ten Cate, J.M., (1990) In vitro studies on the effects of fluoride on de- and remineralization. *J Dent Res*. 69 Spec No:614-9.

Ten Cate, J.M., Featherston, J.D.B., (1996) Physicochemical aspects of fluoride enamelinteractions. In: Fejerskov O, Ekstrand J, Burt BA, editors. *Fluoride inDentistry, 2nd Edition*.Copenhagen:Munksgaard.p. 252-72.

Ten Cate, J.M., Featherstone, J.D.B., (2016) Mechanistic aspects of the interactions between fluoride and dental enamel. *Critical Reviews in Oral Biology and Medicine*.2(2):283-296.

Tin O., Gopalakrishnan, Samsuddin, A.R., Alsakhi, K.A., dan Shamsuria (2007) Antibacterial Property of Locally Produced Hydroxiapatite, *Archieve of Orofacial Sciences*. 2:41-44.

Tsai, M.T., Wang, Y.L., Yeh, T.W., Lee, H.C., Chen, W.J., Ke, J.L., Lee, Y.J., (2019) Early detection of enamel demineralization by optical coherence tomography. *Scientific report. Nature research*. 9:17154.

- Toumba, K.J., Curzon, M.E., (2005) A clinical trial of a slow releasing fluoride device in children. *Caries Res.*39:195-200.
- Vishwakarma, A.P., Bondarde, P., Prashanthkumar, V., (2022) Evaluation of fluoride uptake of two fluoride varnishes into and onto the enamel surface at different temperature : an in vitro study. *Int J Clin Pediatr Dent.*15(6):672-679
- Vitalariu, Mihaela, A., Diaconu, D., Tatarciuc, D., Aungurenci, O., Moisei, M., dan Barlean, L., (2015) Effect of surface characteristics of the acrylic resin on the bacterial colonization. *Revista de Chimie Bucharest.*Original Edition 66 (10):1720-1724.
- Wahjuni, S., Mandanie, S.A., (2017) Fabrication of combined prosthesis with castable extracoronar attachment (Laboratory Procedure). *Jour.Voc.HS.* 1(2):2580- 7161.
- Walmsley, A. D., Lumley, P. J., Shortall, A.C.C., Pretty, I.A., (2007) Restorative Dentistry. Elsevier
- Wefel, J.S., (1990) Effect Fluoride on Caries Development and Progression Using Intra Oral Models. *J Dent Res(Spec.Iss).* 626-633.
- Wefel, J.S., (1982) Mechanism of actions of fluoride. *Pediatric Dentistry.* CV. MosbySt.Louis.772-77.
- Weatherell, J.A., Deutsch, D., & Robinson, C., (1977) Assimilation of fluoride by enamel throughout the life of tooth. *Caries res.*11:85-115.
- WHO, (1986) Appropriate Use of Fluoride for Human Health, *WHO*, Geneva, hlm.1-15.
- Wibisono, S., Suwelo, Is., Titi, P.I.Y., (2003) Perbedaan Penyerapan Fluor pada Email Gigi Sulung antara Tumpatan Semen Ionomer Kaca dan Kompomer Evaluasi Energy Dispersi X-Ray Spectrophotometry. *JKGUI.*10:416-422
- Widjijono, (2014) *Smart-Fluor* dalam Pencegahan Karies dan Pengembangannya. UGM.
- Widjijono, Widowati, S., Sunarintyas, S., (1993) Hubungan antara lama perendaman terhadap pelepasan ion F dari campuran HEMA-MMA-Fluor dalam Larutan Fisiologis. *Cerill* III:32-37.
- Xu, X., Burgess, J.O., Turpin, Mair, J.S., (1999) Fluoride release and recharge of fluoride releasing restorative materials. *J Dent Res.*78:159

Xu, X., Burgess, J.O., (2003) Compressive strength, fluoride release and recharge of fluoride releasing materials. *Biomaterials*. 24:2451-2456

Zerb, G., Hobkirk, J.A., Eckert, S.E., Jacob, R.F., (2013) *Prosthetic Treatment for edentulous patients: complete dentures and implant-supported prostheses*. 13thed. Elsevier.p.209-264

Zitz, A., Gedalia, I., Grajower, R., (1981) Addition of fluoride compounds to acrylic resin plates: bending strength and fluoride release, *J Oral Rehabil*. 8:2