

**DAFTAR PUSTAKA**

- Amanda, Sri Kunarti, Agus Subiwahjudi.2017.Daya Hambat Aktivitas Enzim Glukosiltransferase (Gtf) Streptococcus mutans Oleh Ekstrak Temulawak (Curcuma Xanthorrhiza Roxb). Conservative Dentistry Journal Vol.7 No.1 Januari-Juni : 32-36
- Annisa & Ahmad, Iwan.2018. Mekanisme fluor sebagai kontrol karies pada gigi anak. Journal of Indonesian Dental Association. Maret 2018, Volume 1, Number 1
- Annisa, Aulia. 2014.Perbedaan Prevalensi Karies dan Tingkat Pengetahuan Kesehatan Gigi Pada Murid Sekolah Dasar Usia 9-10 Tahun Yang Memiliki UKGS Dengan yang Tidak Memiliki UKGS di Kecamatan Kolaka Tahun 2014
- Balbaa, Mahmoud and El Ashry, El Sayed H. 2012. Enzymes Inhibitors as Therapeutic Tools. Biochem Physiol 1:103
- Berliana R P, Ekky, Istien Wardani, Eriza Juniar.2015. Efektivitas Topikal Aplikasi *Fluoride* Menggunakan Ekstrak Teh Hijau Dibandingkan Dengan *Sodium Fluoride* Pada Gigi Sapi. Dental Jurnal Hangtuh. No.2, Vol.9, P.155
- Budiraharjo, Roedy. 2010. Karies Gigi Dan Fluoridasi Elastomer. Stomatognatic (J.K.G. Unej) Vol. 7 No. 1 : 1-4
- Bowden, G. H. W. (1990). *Effects of Fluoride on the Microbial Ecology of Dental Plaque. Journal of Dental Research, 69(2\_suppl), 653–659.*
- Brooks, G. F., Butel, J. S., dan Morse, S. A. 2007. Mikrobiologi Kedokteran Jawetz, Melnick, and Adelberg. 23th edition. Jakarta: EGC.
- B. Svantun, P. Gjeremo, H. M. Eriksen & G. Rósslla (1977) A comparison of the plaque-inhibiting effect of stannous fluoride and chlorhexidine, Acta Odontologica Scandinavica, 35:5, 247-250
- Caldeira, E.M., Osorio, A., Oberosler, E.L.C., Vaitsman, D.S., Alviano, D.S., Nojima, M.C.G. (2013). Antimicrobial and fluoride release capacity of orthodontic bonding materials. J. Appl. Oral Sci., 21(4): 327-34.
- Cheng, X., Liu, J., Li, J., Zhou, X., Wang, L., Liu, J., & Xu, X. (2017). Comparative effect of a stannous fluoride toothpaste and a sodium

- fluoride toothpaste on a multispecies biofilm. *Archives of Oral Biology*, 74, 5–11.
- Cut R Alfath., Vera yulina.,Sunnati, (2013). Antibacterial Effect of Graniti Fructus Cortex Extract on Streptococcus Mutans in vitro. *Journal of Dentistry*,No 1,5-8.
- Dewi, Siti Rusdiana Puspa ,Yeza Safitri; Lasma Evi Lany, Rosada Sintya Dwi. 2019. Gambaran Kadar Fluorida Dalam Air Minum dan Skor DMF-T Anak 12 Tahun di Sungai Pedado Palembang. *Jurnal Riset Kesehatan*, 8 (1), 68 - 75 DOI: 10.31983/jrk.v8i1.4089
- Dhama, Kuldeep, Patthi, Basavaraj, Singla, Ashish. 2017. *Topical Fluorides*. A literature review, Hamburg, Anchor Academic Publishing
- Fatmawati, Dwi Warna Aju.2011. .Hubungan Biofilm Streptococcus Mutans Terhadap Resiko Terjadinya Karies Gigi. *Stomatognatic (J.K.G Unej)* Vol. 8 No. 3,: 127-130.
- Forsten, S. D, Bjorklund, M, & Ouwehand, A. C. 2010. Streptococcus mutans, caries and simulation models. *Nutrients*; 2:290–298.
- Haltiwanger, R.S., 2016. *Glycobiology, Oxford J.*. 26(6): 283-97.
- Hoo, S.C., Tsai, T.H, dan Tsai, P.J., 2007, In Vitro Inhibitory Effects of Rosemary Extracts on Growth and Glucosyltransferase Activity of *Streptococcus sobrinus.*, *Food Chem.*, 105(2): 311-6.
- Irianto, Koes.2013. Mikrobiologi Menguak Dunia. Microorganisme. Jilid 1. Bandung : Yrama Widya, hal:34-35,59-61,75
- Isnarianti, Rina, Ivan A. Wahyudi, Rini M. Puspita.2013. *Muntingia calabura L Leaves Extract Inhibits Glucosyltransferase Activity of Streptococcus mutans. Original Article. Journal of Dentistry Indonesia, Vol. 20, No. 3, 59- 63*
- Jumaily, E.F.A., Al-Mudallal, N.A.H., Muhimen, N.A.A., Al-Shaibany, A.A. (2012). The effects of anti-glucosyltransferase (anti- gtf-ib) antibody on growth of mutans streptococci Streptococcus sobrinus (serotype g) n10 strain and purified gtf-ib enzyme activity. *J Pharmacy*, 2(5), 6-10
- Koo, H., Rosalen, P.L., Cury, J.A., Park, Y.K., Bowen, W.H. 2002. Effects of Compounds Found in Propolis on Streptococcus mutans Growth and on Glucosyltransferase Activity. *Antimicrobial agents and chemotherapy*; 46(5): 1302-1309.

- Koo, H., Duarte, S., Murata, R., Scott-Anne K., Gregori, S., Watson, G., Singh, A., dan Vorsa, N., 2010, Influence of The Carenberryproanthocyanidins on Apatitic Surface and on Dental Caries Development in vivo, *Caries Res.*, 44: 116-26.
- Kusumawati, Rina. 2010. Hubungan Tingkat Keparahan Karies Gigi dengan Status Gizi Siswa Kelas Dua SDN 01 Ciangsana.
- Lemos, JA. SR Palmer, L Zeng, ZT Wen, JK Kajfasz, IA Freires, J Abranches, and LJ Brady. 2019. The biology of *Streptococcus Mutans*. *Microbiol Spectr.* Jan; 7(1): 10.1128/microbiolspec.GPP3-0051-2018.
- Lilienthal, B. 1956. Inhibition of acid formation from carbohydrates by stannous fluoride and stannous chlorofluoride. *Aust. Dent. J.* I, 165-173
- Marsetyo, Ryan Imam. 2017. Daya Hambat Ekstrak Propolis Terhadap Aktivitas Enzim Glukosiltransferase (GTF) *Streptococcus mutans*
- Marsh, P.D. 2000. Role of the Oral Microflora in Health. *Microbial Ecology in Health and Disease*; 12: 130-137.
- Martínez-Mier, E. Angeles DDS, PhD. 2011. Fluoride: Its Metabolism, Toxicity, and Role in Dental Health. *Journal of Evidence-Based Complementary & Alternative Medicine*17(1) 28-32.
- Muhibat, Sjazili S. 2015. Analisis Terjadinya Karies Gigi Berdasarkan Pemeriksaan Kadar MUC7 dan Enzim Glukosiltransferase (GTF) Saliva Pada Anak-Anak Karyawan PTPN VIII Yang Berumur 12-13 Tahun. *IJAS Vol.5 Nomor 1. Edisi April.*
- Muhler JC. 1957. Effect on dental caries of a dentifrice containing stannous fluoride and dicalcium phosphate. *J Dent Res.* 36(3):399-402.
- Murata, R. M., Branco-de-Almeida, L. S., Franco, E. M., Yatsuda, R., dos Santos, M. H., de Alencar, S. M., Rosalen, P. L. (2010). Inhibition of *Streptococcus mutans* biofilm accumulation and development of dental caries in vivo by 7-epiclusianone and fluoride. *Biofouling*, 26(7), p.865-872.
- Ningtyas, Alfi Utami. 2016. Pengaruh Pemberian Larutan Sodium Fluoride (NaF) Berbagai Konsentrasi Pada Madu Terhadap Pertumbuhan Bakteri *Streptococcus Mutans* (in vitro).

- Nijampatnam, B., Casals, L., Zheng, R., Wu, H., Velu, S.E. 2016. Hydroxychalcone inhibitors of *Streptococcus mutans* glucosyl transferases and biofilms as potential anticaries agents. *Bioorg Med Chem Lett*; 26(15):3508-13.
- Nurhamidah. 2005. Penentuan Kondisi Optimum HPLC Untuk Pemisahan Residu Peptisida Imidaklopid, Profenofos dan Deltametrin pada Cabai (*Capsicum Annum*). *Jurnal Ilmu Pertanian Indonesia*. Volume 7 nomer 2 hal.87-93
- Pawarti dan Fadhilah. Topical Fluoride Application dan Fissure Sealant untuk Mencegah Karies pada Gigi Molar Satu Permanen JVK 3(2) (2017) hlm 98-102
- Petersson, Lars G.2013. The role of fluoride in the preventive management of dentin hypersensitivity and root caries. *Clinical Oral Investigation*. 17 (Suppl 1):S63–S71.
- Pintauli S, Hamada T. 2008. Menuju Gigi dan Mulut Sehat : Pencegahan dan Pemeliharaan. Sumatera: USU Press.
- Rahayu, Yani Corvianindya. 2013. Peran Agen Remineralisasi Pada Lesi Karies Dini. *Stomatogantic (J.K.G. Unej)* Vol.10 No.1.: 25-30
- Rajendra A. 2014. *Shafer's Textbook of Oral Pathology*. Elsevier Health Science.459-460
- Ramadhani, Soelistia. 2014. Uji Daya Hambat Ekstrak Buah Kaktus Pir Berduri (*Opuntia ficus-indica*) Terhadap Pertumbuhan Bakteri *Streptococcus mutans* Secara In Vitro .
- Ramayanti, Sri Idral Purnakarya. 2013. Peran Makanan Terhadap Kejadian Karies Gigi. *Jurnal Kesehatan Masyarakat*, Maret - September, Vol. 7, No. 2
- Ramji N, Baig A, He T, Lawless MA, Saletta L, Suszcynsky-Meister E, Coggan J. 2005. Sustained antibacterial actions of a new stabilized stannous fluoride dentifrice containing sodium hexametaphosphate. *Compend Contin Educ Dent*. 26(9 Suppl 1):19–28.
- Riskesdas, 2018. Kementerian Kesehatan Badan Penelitian dan Pengembangan Kesehatan.
- Rossomando, E.F. 2009. *HPLC in enzymatic analysis* .2<sup>nd</sup> Edition. New York : John Wiley & Sons, Inc. Pp1-12

- Samarayanake,L. 2006. *Microbiology of Dental Caries* (3rd ed). Philadelphia: Churchill Livingstone.
- Sandi, Indah Maydila. Hafni Bachtiar,Hidayati. 2015. Perbandingan Efektivitas Daya Hambat Dadih dengan Yogurt Terhadap Pertumbuhan Bakteri Streptococcus Mutans. *Jurnal B- Dent*, Vol.2, No.2, Desember 88-94
- Senjaya AA. 2016. Gigi Lansia. *J Skala Husada*. 13(1):72-80.
- Shi, Y, R. Li , D.J. White , and A.R. Biesbrock. 2018. Stannous Fluoride Effects on Gene Expression of Streptococcus mutans and Actinomyces viscosus. *Advances in Dental Research*, Vol. 29(1) 124–130
- Sinaredi, Betadion Rizki, Seno Pradopo, Teguh Budi Wibowo. 2014. Daya antibakteri obat kumur chlorhexidine, povidone iodine, fluoride suplementasi zinc terhadap, Streptococcus mutans dan Porphyromonas gingivalis. *Dent. J. (Maj. Ked. Gigi)*, Volume 47, Number 4, December: 211–214
- Smith, L., Blinkhorn. A., Moir. R., Brown, N.J., dan Blinkhorn, F., 2015, An Assessment of Dental Carries Among Young Aboriginal Children In New South Wales, Australia: A-Cross Sectional Study, *BMC Pub Health.*, 15(1): 1314–6.
- Suratri, Made Ayu Lely, Tince A. Jovina, dan Indirawati Tjahja Notohartoyo. 2018. Hubungan Kejadian Karies Gigi dengan Konsumsi Air Minum pada Masyarakat di Indonesia. *Media Litbangkes*, Vol. 28 No. 3, September, 211 – 218
- Sylvania, Dhiatfa Amanda, Ferry P. Gultom, Boy M. Bachtia. 2014. Korelasi Kuantitas Streptococcus mutans pada Plak Lidah dan Saliva dengan Risiko Karies Tinggi.
- Veloz, J.J., Saavedra, N., Alvear, M., Zambrano, T., Barrientos, L., Salazar, L. A. 2016. Polyphenol-Rich Extract from Propolis Reduces the Expression and Activity of Streptococcus mutans Glucosyltransferases at Subinhibitory Concentrations. *BioMed Research International*; 2016: 1-7.
- Widayati, Nur. 2014. Faktor yang berhubungan dengan karies gigi pada anak usia 4–6 tahun. *Jurnal Berkala Epidemiologi*, Vol. 2, No. 2 Mei: 196–205

- Yadav, Khusbhu, Satyam Prakash.2016. Dental Caries: A Review. Asian Journal of Biomedical and Pharmaceutical Sciences, 6(53), 01-07.
- Yonas, Y. 2016. Daya Hambat Ekstrak Kulit Manggis (*Garcinia Mangostana* L.) Terhadap Aktivitas Enzim Glukosiltransferase *Streptococcus mutans*. Skripsi. Surabaya: Fakultas Kedokteran Gigi Universitas Airlangga. pp. 26- 29.
- Zenia, Adindaputri U.,Nunuk Purwanti,Ivan Arie Wahyudi. 2013. Pengaruh Ekstrak Kulit Jeruk Nipis (*Citrus Aurantifolia Swingle*) Konsentrasi 10% Terhadap Aktivitas Enzim Glukosiltransferase *Streptococcus mutans*. Maj Ked Gi. Desember; 20(2):126-131