

## DAFTAR PUSTAKA

- Achmad, H., Huldani, H., & Feby Ramadhany, Y., (2020) Antimicrobial activity and sulfated polysaccharides antibiofilms in marine algae against dental plaque bacteria: a literature review. *A Multifaceted Review Journal In The Field of Pharmacy*. 11(6): 459-465.
- Andayani, R., Chismirina, S., & Kumalasari, I., (2014) Pengaruh ekstrak buah belimbing wuluh (*Averrhoa bilimbi*) terhadap interaksi *Streptococcus sanguinis* dan *Streptococcus mutans* secara *in vitro*. *Cakradonya Dental Journal*. 6(2): 727-736.
- Armianti, I. G. K., (2019) Pemolesan Tumpatan Komposit Dapat Menurunkan Angka Perubahan Warna (Diskolorisasi) pada Resin Komposit *Nanofiller* yang Disebabkan Oleh Penggunaan Obat Kumur *Chlorhexidine*. *Interdental: Jurnal Kedokteran Gigi*. 15(1): 16-20.
- ATCC, (2019) *Streptococcus sanguinis* ATCC 10556. [www.atcc.org](http://www.atcc.org) (21/03/2022).
- Attamimi, F. A., Ruslami, R., & Maskoen, A. M., (2017) Uji Aktivitas Antibakteri Ekstrak Kasar Umbi Sarang Semut (*Myrmecodia pendens*) Dibanding dengan Klorheksidin terhadap *Streptococcus sanguinis*. *Majalah Kedokteran Bandung*. 49(2): 94-101.
- Azzam, C. R., Al-Taweel, S. K., Abdel-Aziz, R. M., Rabea, K. M., Abou-Sreya, A. I., Rady, M. M., & Ali, E. F., (2021) Salinity effects on gene expression, morphological, and physio-biochemical responses of *stevia rebaudiana* bertoni *in vitro*. *Plants*. 10(4): 820.
- Basharat, S., Huang, Z., Gong, M., Lv, X., Ahmed, A., Hussain, I., & Liu, L., (2021) A review on current conventional and biotechnical approaches to enhance biosynthesis of steviol glycosides in *Stevia rebaudiana*. *Chinese Journal of Chemical Engineering*. 30: 92-104.
- Bathla, S. dan Bathla, M., (2011) *Periodontics Revisited*. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd. pp. 67-68.
- Brookes, Z. L., Belfield, L. A., Ashworth, A., Casas-Agustench, P., Raja, M., Pollard, A. J., & Bescos, R., (2021) Effects of chlorhexidine mouthwash on the oral microbiome. *Journal of Dentistry*. 113: 103.
- Chandra, A. N. D. Y., (2015) Studi awal ekstraksi batch daun *Stevia rebaudiana* dengan variabel jenis pelarut dan temperatur ekstraksi. *Pros Sem Nas Masy Biodiv Indon*. 1(1): 114-119.
- Chandra, A., dan Novalia, N., (2014) Studi Awal Ekstraksi Batch Daun *Stevia rebaudiana* Bertoni dengan Variabel Jenis Pelarut dan Temperatur. *Jurnal Unpar*. 2.

- Cushnie, T. T., Cushnie, B., & Lamb, A. J., (2014) Alkaloids: An overview of their antibacterial, antibiotic-enhancing and antivirulence activities. *International Journal of Antimicrobial Agents*. 44(5): 377-386.
- Cushnie, T. T., & Lamb, A. J., (2005) Antimicrobial activity of flavonoids. *International Journal of Antimicrobial Agents*. 26(5): 343-356.
- Deus, F. P., & Ouanounou, A., (2022) Chlorhexidine in Dentistry: Pharmacology, Uses, and Adverse Effects. *International Dental Journal*. 72(3): 269-277.
- Dewi, Z. Y., Nur, A., & Hertriani, T., (2015) Efek antibakteri dan penghambatan biofilm ekstrak sereh (*Cymbopogon nardus* L.) terhadap bakteri *Streptococcus mutans*. *Majalah Kedokteran Gigi Indonesia*. 1(2): 136-141.
- Djajadi, D., (2015) Pengembangan tanaman pemanis *Stevia rebaudiana* (Bertoni) di Indonesia. *Perspektif*. 13(1): 25-33.
- Egi, M., Soegiharto, G. S., & Evacuasiyany, E., (2018) Efek Berkumur Sari Buah Tomat (*Solanum lycopersicum* L.) Terhadap Indeks Plak Gigi. *SONDE (Sound of Dentistry)*. 3(2): 70-84.
- Farasayu, R. D., Rachmawati, M. W., Ika, D. A., Syaify, A., & Listyarifah, D., (2021) The Effect of Hibiscus Flower Extract (*Hibiscus rosa-sinensis* L.) on the Growth of *Streptococcus sanguinis* Bacteria. In *BIO Web of Conferences* (Vol. 41). EDP Sciences.
- Ge, X., Kitten, T., Chen, Z., Lee, S. P., Munro, C. L., & Xu, P., (2008) Identification of *Streptococcus sanguinis* genes required for biofilm formation and examination of their role in endocarditis virulence. *Infection and Immunity*. 76(6): 2551-2559.
- Gunardi, W. D., (2017) Peran Berbagai Jenis Gen Virulensi Uropathogenic *Eschericia coli* (UPEC) dalam Pembentukan Biofilm. *Jurnal Kedokteran Meditek*. 23(64): 22-26.
- Haniastuti, T., (2016) Penurunan Hidrofobisitas Permukaan Sel Bakteri Plak Gigi Setelah Dipapar Rebusan Daun Sirih Merah Konsentrasi 10%. *Dentika Dental Journal*. 19(1): 38-41.
- Homenta, H., (2016) Infeksi biofilm bacterial. *e-Biomedik*. 4(1).
- Huang, R., Li, M. and Gregory, R.L., (2011) Bacterial interactions in dental biofilm. *Virulence*. 2(5): 435-444.
- Janah, I., Elhasnaoui, A., Issa Ali, O., Lamnai, K., Aissam, S., & Loutfi, K., (2021) Physiochemical responses of *Stevia rebaudiana* Bertoni subjected to sodium chloride (NaCl) salinity and exogenous salicylic acid application. *Gesunde Pflanzen*. 73(4): 509-520.
- JECFA, (2005) *Steviol glycosides*. In: *63rd Meeting of the Joint FAO/WHO Expert Committee on Food Additives*. World Health Organization (WHO), Geneva, Switzerland, WHO Technical Report Series 928 pp.34-39 and 138 ([http://whqlibdoc.who.int/trs/WHO TRS\\_928.pdf](http://whqlibdoc.who.int/trs/WHO_TRS_928.pdf)).

- Jeffrey, J., Satari, M. H., & Kurnia, D., (2019) Antibacterial Effect of Lime (*Citrus aurantifolia*) Peel Extract in Preventing Biofilm Formation. *Journal of Medicine and Health*. 2(4).
- Kazmi, A., Khan, M. A., Mohammad, S., Ali, A., & Ali, H., (2019) Biotechnological production of natural calorie free steviol glycosides in *Stevia rebaudiana*: an update on current scenario. *Current Biotechnology*. 8(2): 70-84.
- Kemal, Y., Lesang, R., Bachtiar, B. M., & Makmun, L. H., (2012) Analisis Morfologi Koloni dan Keragaman Genotip *Streptococcus sanguinis* yang Berasal Dari Plak Gigi dan Saliva Penderita Penyakit Jantung Koroner. *Dentika: Dental Journal*. 17(2): 153-156.
- Kemala, D., Hendiani, I., & Satari, M. H. (2018). Uji daya antibakteri ekstrak etanol kulit buah manggis (*Garcinia mangostana* L) terhadap *Streptococcus sanguinis* ATCC 10556. *Padjadjaran Journal of Dental Researchers and Students*. 2(2): 137-140.
- Kementerian Kesehatan Republik Indonesia, (2018) Laporan Nasional RISKESDAS, pp. 184.
- Kidd, E. A., & Fejerskov, O., (2016) *Essentials of Dental Caries*. Oxford University Press, pp. 6.
- Kreve, S., & Dos Reis, A. C., (2021) Bacterial adhesion to biomaterials: What regulates this attachment? A review. *Japanese Dental Science Review*. 57: 85-96.
- Krismariono, A., Setiawatie, E. M., Rachmawati, R. Y., Setiawan, Y. A., Padmarini, H. N., Apriliyanti, N. A., ... & Rachmawati, D., (2022) Antibacterial Activity of Water Hyacinth (*Eichhornia Crassipes*) Leaf Extract Against Bacterial Plaque from Gingivitis Patients. *Journal of International Dental and Medical Research*. 15(3): 966-971.
- Kusumawardani, I. M., Rifqi, M., Mastur, L., & Harismah, K., (2021) Pembuatan Sabun Padat Antibakteri dari Ekstrak Daun Stevia (*Stevia rebaudiana* Bertoni) dan Bunga Cengkeh. In *Prosiding SNPBS (Seminar Nasional Pendidikan Biologi dan Saintek)*. pp. 307-311.
- Kurniawan, A., Suardita, K., & Zubaidah, N., (2017) Perbedaan Perlekatan Biofilm *Streptococcus mutans* pada Resin Komposit Nanofil Tipe Universal Restorative dan Flowable Restorative. *Conservative Dentistry Journal*. 7(2): 102-110.
- Lamont, L. J., Hajishengallis, G. N., Koo, H. M. dan Jenkinson, (2019) Oral Microbiology and Immunology, 3rd Ed. Washington DC : ASM. pp. 5, 25, 61, 251, 272, 273, 496.
- Lemus-Mondaca, R., Vega-Gálvez, A., Zura-Bravo, L., & Ah-Hen, K., (2012) *Stevia rebaudiana* Bertoni, source of a high-potency natural sweetener: A

- comprehensive review on the biochemical, nutritional and functional aspects. *Food chemistry*. 132(3): 1121-1132.
- Loresta, S., Murwani, S., Trisunuwati, P., (2012) Efek Ekstrak Etanol Daun Kelor (*Moringa oleifera*) Terhadap Pembentukan Biofilm *Staphylococcus aureus* Secara In vitro. *Universitas Brawijaya*. 1(1): 1-8.
- Mahamuni-Badiger, P. P., Patil, P. M., Badiger, M. V., Patel, P. R., Thorat-Gadgil, B. S., Pandit, A., & Bohara, R. A., (2020) Biofilm formation to inhibition: Role of zinc oxide-based nanoparticles. *Materials Science and Engineering: C*. 108: 110319.
- Marsh, P., Lewis, M., Roger, H.M., William, D., dan Wilson, M., (2016) *Marsh and Martin's Oral Microbiology*, 6th Ed. New York: Elsevier. pp. 35, 52, 75, 81, 87, 108, 115.
- Menon, L., & Ramamurthy, J., (2014) New vistas in plaque control. *IOSR J Dent Med Sci*. 13(3): 64-68.
- Miranti, M., Mauligita, S. Z. N., & Wijaya, A. S., (2020) Isolasi dan Identifikasi *Streptococcus sanguinis* dari Karet Bracket Gigi dalam Menentukan Prevalensi Pembentukan Plak. *Seminar Nasional Biologi, Saintek, dan Pembelajarannya I Tahun 2019 ISBN: 978-602-9250-40-4*.
- Muhammad, M. H., Idris, A. L., Fan, X., Guo, Y., Yu, Y., Jin, X., & Huang, T., (2020) Beyond risk: bacterial biofilms and their regulating approaches. *Frontiers in Microbiology*. 11: 928.
- Nasution, M., Simatupang, Y., & Dennis, D., (2020) Effectiveness of Star Fruit Leaf Extract on the Growth of *Streptococcus Sanguinis*: An In Vitro Study. *World*. 11(3): 197.
- Pertiwi, F. C., Firdaus, I. W. A. K., & Erlita, I., (2019) Comparison Of Inhibitory Activity Of Kelakai Leaf Extract And 0.2% Chlorhexidine Gluconate Against *Streptococcus sanguinis* ATCC® 10556™. *Dentino: Jurnal Kedokteran Gigi*. 4(2): 145-150.
- Putri, A. V. A. A., Widyastuti, N. H., & Megawati, V., (2017) Pengaruh daya antibakteri ekstrak daun stevia (*Stevia rebaudiana bertoni*) pada konsentrasi 5%, 10%, 20%, 40% dan 80% terhadap *Streptococcus mutans* (in vitro). *JIKG (Jurnal Ilmu Kedokteran Gigi)*. 1(1): 9-14.
- Sajjan, P., Laxminarayan, N., Kar, P. P., & Sajjanar, M., (2016) Chlorhexidine as an antimicrobial agent in dentistry—a review. *Oral Health Dent Manag*. 15(2): 93-100.
- Sari, D. P., Aspriyanto, D., & Taufiqurrahman, I., (2020) Antibacterial Effectivity Of Kasturi Leaf Extract (*Mangifera casturi*) Against The Growth Of *Streptococcus sanguinis* Bacteria. *Dentino: Jurnal Kedokteran Gigi*. 5(1): 33-38.

- Straub H, Bigger CM, Valentin J, Abt D, Qin XH, Eberl L, et al., (2019) Bacterial adhesion on Soft materials: passive physicochemical interactions or active bacterial mechanosensing, *Adv. Healthc. Mater* 2019. 8(8): 1801323.
- Sulistawati, Nuryadi, B., Zakyah, A. D., & Vidyasari, A. S., (2019) Antibacterial Effect of Semendo Coffee Beans (*Coffea Canephora*) Extract Against *Streptococcus Sanguinis* In Vitro Growth. *DENTA*. 15(1): 1-8.
- Tandelilin, R. T. C. dan Saini, R., (2018), Dental Plaque: A Biofilm. Yogyakarta: PT Kanisius. pp. 23-26, 35, 61-62.
- Uneputty, A., Dávila-Lezama, A., Garibo, D., Oknianska, A., Bogdanchikova, N., Hernández-Sánchez, J. F., & Susarrey-Arce, A., (2022) Strategies applied to modify structured and smooth surfaces: A step closer to reduce bacterial adhesion and biofilm formation. *Colloid and Interface Science Communications*. 46: 100560.
- Vaknin, M., Steinberg, D., Featherstone, J. D., & Feuerstein, O., (2019) Exposure of *Streptococcus mutans* and *Streptococcus sanguinis* to blue light in an oral biofilm model. *Lasers in Medical Science*. 35(3): 709-718.
- Wang, Y., Samaranayake, L. P., & Dykes, G. A., (2021) Tea extracts modulate oral biofilm development by altering bacterial hydrophobicity and aggregation. *Archives of Oral Biology*. 122: 105032.
- Wenda, Y., Wowor, P. M., & Leman, M. A., (2017) Uji daya hambat ekstrak daun stevia (*Stevia rebaudiana* Bertoni M.) terhadap pertumbuhan *Staphylococcus aureus* secara in vitro. *e-GiGi*. 5(1): 64-67.
- Wiryoendjoyo, K., & Supriyadi, S., (2014) Identification of Stevioside on Stevia Leaf Callus Grown by 2, 4-D and Kinetin. *Jurnal Farmasi Indonesia*. 11(1): 1-7.
- Yadav, A. K., Singh, S., Dhyani, D., & Ahuja, P. S., (2011) A review on the improvement of stevia [*Stevia rebaudiana* (Bertoni)]. *Canadian Journal of Plant Science*. 91(1): 1-27.
- Zhu, B., Macleod, L.C., Kitten, T. and Xu, P., (2018) *Streptococcus sanguinis* biofilm formation & interaction with oral pathogens, *Future microbiology*. 13(8): 915-932.
- Zijngje V, van Leeuwen MB, Degener JE, Abbas F, Thurnheer T, Gmur R, Harmsen HJ., (2010) Oral biofilm architecture on natural teeth. *PLoS One*. 5: 9321.