Daftar Pustaka

Abebe, G.M., (2021) Oral biofilm and its impact on oral health, psychological, and social interaction. *Int J Oral Dent Health*. 7(1): 1-11.

Amaliah, R., Larnani, S. dan Wahyudi, I. A., (2012) Inhibition effect of cashew stem bark extract (*Anacardium occidentale* L.) on biofilm formation of *Streptococcus sanguinis*. *Dental Journal*. 45(4): 212-216.

ATCC, (2021) *Streptococcus sanguinis* (ATCC© 10556™), www.atcc.org, diakses 27 Maret 2022.

ATCC, (2021) *Streptococcus mutans* (ATCC© 25175™), www.atcc.org, diakses 27 Maret 2022.

Carabelly, A.N., Karno, D.A.S., Erlita, I. dan Trianuanty, A.P., (2022) Viability of dual-species biofilm of Streptococcus mutans and Lactobacillus acidophilus after application of Mauli banana stem gel. *Dentino*. 7(1): 55-61.

Elias, S. dan Banin, E., (2012) Multi-species biofilms: living with friendly neighbors. *FEMS Microbiol Rev*. 36(5): 990-1004.

Evans, A., Leishman, S.J. dan Wlash, L.J., (2015) Inhibitory effects of antiseptic mouthrinses on *Streptococcus mutans, Streptococcus sanguinis* and *Lactobacillus acidoplhilus*. *Aust Dent J*. 60(2): 247-254.

Fadlilah, M., (2015) Benefit of red betel (*Piper crocatum* Ruiz & Pav) as antibiotics. *J Majority*. 4(3): 71-75.

GBIF, (2022) *Piper crocatum* Ruiz & Pav, https://www.gbif.org/species/7305692, diakses 27 Maret 2022.

Hamsar, A. dan Ramadhan, E.S., (2019) Penggunaan chlorhexidine kumur dalam perbaikan indeks kebersihan gigi pegawai Poltekkes Kemenkes RI Medan. *Jurnal Kesehatan Gigi*. 6(2): 99-103.

Hamzah, H., Hertiani, T., Pratiwi, S.U.T. dan Nuryastuti, T., (2019) The inhibition activity of tannin on the formation of mono-species and polymicrobial biofilm *Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa*, and *Candida albicans*. *Trad Med J*. 24(2): 110-118.

ITIS, *Streptococcus mutans*, https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=966483#null, diakses 27 Maret 2022.

ITIS, *Streptococcus sanguinis*, https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=966473#null, diakses 27 Maret 2022.

Kemala, D., Hendiani, I. dan Satari, M.H., (2018) Uji daya antibakteri ekstrak etanol kulit buah manggis (*Garcinia mangostana L*) terhadap *Streptococcus sanguinis* ATCC 10556. *Padjajaran Journal of Dental Researchers and Students*. 2(2): 137-140.

Kementrian Kesehatan Republik Indonesia, (2019) *Laporan Nasional Riskesdas 2018*. Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan. pp. 195.

Kolliyavar, B., Shettar, L. dan Thakur, S., (2016) Chlorhexidine: The gold standard of mouth wash. *J Pharm Biomed Sci*. 6(2): 106-109.

Kour, K. dan Kaur, S., (2019) Short term side effects of 0.2% and 0.12% chlorhexidine mouthwash. *IP Int J Periodontol Implantol*. 4(4): 138-140.

Kreth, J., Merritt, J., Shi, W., dan Qi, F., (2005) Competition and coexistence between *Streptococcus mutans* and *Streptococcus sanguinis* in the dental biofilm. *J Bacteriol*. 187(21): 7193-7203.

Krishnan, K.U., Adisesh, M., Navaneethakrishnan, L. dan Manjunathan, R., (2019) Calibration of micropipettes through gravimetric solution and its beneficial impact on research. *BioTechnology*. 15(4): 1-8.

Lamont, R. J., Hajishengallis, G.N., Koo, H. (Michel), dan Jenkinson, H.F., (2019) *Oral Microbiology and Immunology*. 3rd ed. Edinburgh: Elsevier. pp. 77.

Lemos, J.A., Palmer, S.R., Zeng, L., Wen, Z.T., Kajfasz, J.K., Freires, I.A., Abranches, J. dan Brady, L.J., (2019) The biology of *Streptococcus mutans*. *Microbiol Spectr*. 7(1): 10.1128/microbiolspec.GPP3-0051-2018.

Maghfirah, F., Saputri, D. dan Basri, (2017) Aktivitas pembentukan biofilm *Streptococcus mutans* dan *Candida albicans* setelah dipapar dengan *cigarette smoke condensate* dan minuman probiotik. *J Caninus Dent*. 2(1): 12-19.

Mahon, C.R. dan Lehman, D.C., (2019) *Textbook of Diagnostic Microbiology*. 6th ed. Missouri: Elsevier. pp. 745.

Marlina, E.T., Harlia, E., Hidayati, A. dan Badruzzaman, D.Z., (2022) Efektivitas daun sirih merah (*Piper crocatum*) pada sanitasi di ruang penampungan susu. *Ziraa'ah*. 47(1): 46-53.

Marsh, P., Lewis, M., Roger, H.M., William, D., dan Wilson, M., (2016) *Marsh and Martin's Oral Microbiology*. Washington DC: ASM Press. pp. 35, 84, 85, 86, 86, 87, 88, 89, 90, 91, 92, 93.

Mawan, A.R., Indriwati, S.E. dan Suhadi, (2018) Aktivasi antibakteri ekstrak metanol buah *Syzygium polyanthum* terhadap pertumbuhan bakteri *Escherichia coli*. *Bioeksperimen*. 4(1): 64-68.

Nugraha, S.E., Achmad, S. dan Sitompul, E., (2019) Antibacterial activity of ethyl acetate fraction of passion fruit (*Passiflora edulis* Sims) on *Staphylococcus aureus* and *Escherichia coli*. *Indonesian J of Pharmaceutical and Clinical Res.* 2(1): 7-12.

Nurhasanah, dan Gultom, E.S., (2020) Uji aktivitas antibakteri ekstrak metanol daun kirinyuh (*Chromolaena odorata*) terhadap bakteri MDR (*Multi Drug Resistant*) dengan metode KLT bioautografi. *Jurnal Biosains*. 6(2): 45-52.

Pangesti, R.D., Cahyono, E. dan Kusumo, E., (2017) Perbandingan daya antibakteri ekstrak dan minyak *Piper betle L.* terhadap bakteri *Streptococcus mutans*. *Indo J Chem Sci*. 6(3): 270-278.

Parashar, A., (2015) Review article: Mouthwashes and their use in different oral condition. *Sch J Dent Sci*. 2(2B): 186-191.

Parfati, N. dan Windono, T., (2016) Sirih merah (*Piper crocatum* Ruiz & Pav) kajian pustaka aspek botani, kandungan kimia, dan aktivitas farmakologi. *MPI*. 1(2): 106-115.

Patabang, W.A., Leman, M.A. dan Maryono, J., (2016) Perbedaan jumlah pertumbuhan koloni bakteri rongga mulut sebelum dan sesudah menggunakan obat kumur yang mengandung chlorheksidine. *PHARMACON*. 5(1): 26-31.

Penda, P.A.C., Kaligis, S.H.M. dan Juliatri, (2015) Perbedaan indeks plak sebelum dan sesudah pengunyahan buah apel. *e-Gigi*. 3(2): 380-385.

Pramesti, H. T., (2016) Streptococcus sanguinis as an opportunistic species in human oral cavity: adherence, colonization, and invasion. *Padjadjaran Journal of Dentistry*, 28(1): 45-52.

Pujoharjo, P. dan Herdiyati, Y., (2018) Efektivitas antibakteri tanaman herbal terhadap *Streptococcus mutans* pada karies anak. *J Indones Dent Association*. 1(1): 51-56.

Pushparaj, P.N., (2020) Revisiting the micropipetting techniques in biomedical science: a fundamental prerequisite in good laboratory practice. *Bioinformation*. 16(1): 8-12.

Puspita, P.J., Safithri, M. dan Sugiharti, N.P., (2018) Antibacterial activities of sirih merah (*Piper crocatum*) leaf extracts. *Current Biochemistry*. 5(3): 1-10.

Putri, D.K.T., Kriswandini, I.L. dan Luthfi, M., (2016) Characterization of *Streptococcus sanguis* molecular receptors for *Streptococcus mutans* binding molecules. *Dental Journal*. 49(4): 213-216.

Rabin, N., Zheng, Y., Temeng, C.O., Du, Y., Bonsu, E. dan Sintim, H.O., (2015) Biofilm formation mechanism and targets for developing antibiofilm agents. *Future Med Chem*. 7(4): 493-512.

Rachmawaty, M.A., F.J., Akhmad, M.M., Pranacipta, S.H., Nabila, Z. dan Muhammad, A., (2018) Optimasi ekstrak etanol daun sirih merah (*Piper crocatum*) sebagai antibakteri terhadap bakteri *Staphylococcus aureus*. *Mutiara Medika*. 18(1): 13-19.

Ritter, A.V., Boushell, L.W., dan Walter, (2019) *Sturdevant's Art and Science of Operative Dentistry*. 7th ed. Missouri: Elsevier Inc. pp. 40.

Rohadi, D., Zamzam, M.Y. dan Rachmany, L.S. (2019) Uji daya hambat ekstrak etanol daun sirih merah (*Piper crocatum* Ruiz & Pav.) terhadap pertumbuhan bakteri *Escherichia coli*. *Medimuh.* 1(2): 171-178.

Sapara, T.U., Waworuntu, O. dan Juliatri, (2016) Efektivitas antibakteri ekstrak daun pacar air (*Impatiens balsamina L.*) terhadap pertumbuhan *Porphyromonas gingivalis*. *PHARMACON*. 5(4): 10-17.

Saggu, S. K., Jha, G. dan Mishra, P. C., (2019) Enzymatic degradation of biofilm by metalloprotease from *Microbacterium sp.* SKS10. *Front Bioeng Biotechnol*. 7: 192.

Sreenivasan, M.A., P.K., Prasad, K.V.V. dan Javali, S.B., (2016) Oral health practices and prevalence of dental plaque and gingivitis among Indian adults. *Clin Exp Dent Res*. 2(1): 6-17.

Suri, M.A., Azizah, Z. dan Asra, R., (2021) A Review: Traditional use, phytochemical and pharmacological review of red betel leaves (*Piper crocatum* Ruiz & Pav). *Asian J Pharm Res Dev*. 9(1): 159-163.

Swaaij, B.W.M.V., Weijden, G.A.F.V.D., Bakker, E.W.P., Graziani, F. dan Slot, D.E., (2020) Does chlorhexidine mouthwash, with an anti-discoloration system, reduce tooth surface discoloration without losing its efficacy? Asystematic reviews and meta-analysis. *Int J Dent Hyg*. 18(1): 27-43.

Syahrinastiti, T.A., Djamal, A. dan Irawati, L., (2015) Perbedaan daya hambat ekstrak daun sirih hijau (*Piper betle L.*) dan daun sirih merah (*Piper crocatum* Ruiz & Pav.) terhadap pertumbuhan *Escherichia coli. Jurnal Kesehatan Andalas.* 4(2): 421-424.

Tampongangoy, D., Maarisit, W., Ginting, A.R., Tumbel, S. dan Tulandi, S., (2019) Uji aktivitas antibakteri ekstrak daun kayu kapur *Melanolepis multiglandulosa* terhadap bakteri *Staphylococcus aureus* dan bakteri *Escherichia coli*. *Jurnal Biofarmasetikal Tropis*. 2(1): 107-114.

Tandelilin, R.T.C. dan Saini, R., (2018) *Dental Plaque: A Biofilm*, Yogyakarta: PT Kanisius. pp. 57.

Tartaglia, G.M., Tadakamadla, S.K., Connelly, S.T., Sforza, C. dan Martin, C., (2019) Adverse events associated with home use of mouthrinses: A Systematic review, *Ther Adv Drug Saf*. 10. doi:10.1177/2042098619854881.

Violantika, N., Yulian, M. dan Nazlia, C., (2020) Perbandingan aktivitas antibakteri berbagai minyak atsiri terhadap pertumbuhan *Staphylococcus aureus*. *AMINA*. 2(1): 38-49.

Yan, Y., Li, X., Zhang, C., Lv, L., Gao, B. dan Li, M., (2021) Research progress on antibacterial activities and mechanisms of natural alkaloids: A review. *Antibiotics*. 10(318): 1-30.

Yu, M. dan Chua, S. L., (2020) Demolishing The great wall of biofilms in Gram-negative bacteria: to disrupt or disperse?. *Med Res Rev*. 40(3): 1103-1116.

Zhang, K., Xiang, Y., Peng, Y., Tang, F., Cao, Y., Xing, Z., Li, Y., Liao, X., Sun, Y., He, Y. dan Ye, Q., (2022) Influence of fluoride-resistant *Streptococcus mutans* within antagonistic dual-species biofilms under fluoride in vitro. *Front Cell Infect Microbiol*. 12(1): 1-12.

Zhu, B., M., Macleod, L.C., Kitten, T. dan Xu, P., (2018) *Streptococcus sanguinis* biofilm formation & interaction with oral pathogens. *Future Microbiol*. 13(8): 915-932.