DAFTAR PUSTAKA

Afrina, Chismirina, S., dan Aulia, C.R.P. (2016) Konsentrasi Hambat dan Bunuh Minimum Ekstrak Buah Kapulaga (*Amomum compactum*) Terhadap *Aggregatibacter Actinomycetemcomitans*. *Journal of Syiah Kuala Dentistry Society*. 1(2): 192–200.

Alibasyah, Z.M., Andayani, R., dan Farhana, A. (2016) Potensi Antibakteri Ekstrak Jahe (*Zingiber officinale Roscoe*) Terhadap *Porphyromonas gingivalis* Secara *In Vitro*. *Journal of Syiah Kuala Dentistry Society*. 1(2): 147–152.

Anggraini, D., Sukrama, I.D.M., dan Pertiwi, N.K.F.R. (2018) Jus Apel Manalagi (*Malus sylvestris Mill*) menghambat pertumbuhan *Streptococcus mutans in vitro*. *Bali Dental Journal*. 2(1): 59–64.

Anonim (2019) *LAPORAN NASIONAL RISKESDAS 2018*. Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan (LPB). 204.

Arifah, F.A. dan Aprilia, I.R. (2019) Potensi Buah Apel (*Malus domestica*) dalam Mengatasi Penyakit Asma. *Proceeding of Biology Education*. 3(1): 208–212.

Armadanty, T.I., Rizka, Y., dan Sarianoferni (2016) Bioviabilitas Ekstrak *Gracilaria sp* terhadap Stem Sel Mesenkimal sebagai Terapi Adjuvant Periodontitis. *DENTA Jurnal Kedokteran Gigi*. 10(1): 1–8.

Balouiri, M., Sadiki, M., and Ibnsouda, S.K. (2016) Methods for *in vitro* evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*. 6(2): 71–79.

Bathla, S. and Bathla, M. (2011) *Periodontics Revisited.* 1st ed. New Delhi: Jaypee Brothers Medical Publishers. 63,68.

Carroll, K.C., Morse, S.A., Mietzner, T., and Miller, S. (2016) *Jawetz, Melnick & Adelberg's Medical Microbiology*. 27th ed. New York: McGraw-Hill Education. 173.

Chenicheri, S., Usha, R., Ramachandran, R., Thomas, V., and Wood, A. (2017) Insight into Oral Biofilm : Primary , Secondary and Residual Caries and Phyto-Challenged Solutions. *The Open Dentistry Journal*. 11: 312–333.

Egan, A.J.F. (2018) Bacterial outer membrane constriction. *Molecular Microbiology*. 107(6): 676–687.

Egi, M., Soegiharto, G.S., dan Evacuasiany, E. (2018) Efek Berkumur Sari Buah Tomat (*Solanum lycopersicum* L.) Terhadap Indeks Plak Gigi. *SONDE (Sound of Dentistry)*. 3(2): 70–84.

Fathima, A. and Rao, J.R. (2016) Selective toxicity of Catechin—a natural flavonoid towards bacteria. *Applied Microbiology and Biotechnology*. 100(14): 6395–6402.

Febrina, N.N.T., Bahri, S., dan Rasmi, D.A.C. (2019) Potensi Probiotik Bakteri Asam Laktat Dari Susu Segar Kambing Etawa Yang Difermentasi Dalam Bambu Betung (*Dendrocalamus asper*) dan Bambu Tali (*Gigantochloa apus*). *Jurnal Ilmiah Pendidikan Indonesia*. 1(1): 7–14.

Fine, D.H., Patil, A.G., and Velusamy, S.K. (2019) *Aggregatibacter actinomycetemcomitans (Aa)* under the Radar: Myths and misunderstandings of *Aa* and its role in aggressive periodontitis. *Frontiers in Immunology*. 10: 1–12.

Haryati, S.D., Darmawati, S., dan Wilson, W. (2017) Perbandingan Efek Ekstrak Buah Alpukat (*Persea americana Mill*) Terhadap Pertumbuhan Bakteri *Pseudomonas aeruginosa* Dengan Metode Disk dan Sumuran. *Prosiding Seminar Nasional Publikasi Hasil-Hasil Penelitian dan Pengabdian Masyarakat Universitas Muhammadiyah Semarang*. 348–352.

Hutagalung, M.H.P. dan Tarigan, S. (2019) Perbedaan efektivitas ekstrak kulit apel hijau (*Pyrus malus L*) 25% dengan larutan *xylitol* 10% dalam menghambat pertumbuhan bakteri *Streptococcus mutans* secara *in vitro*. *Jurnal Prima Medika Sains.* 1(1): 8–11.

Ismail, Y., Wedyan, M., Al-Zu'abe, M., and Abderrahman, S. (2016) Antimicrobial activity of *Rubia cordifolia*: Methods to Determine Antimicrobial Activity. *Research Journal of Medicinal Plant*. 10(8): 457–462.

Jannata, R.H., Gunadi, A., dan Ermawati, T. (2014) Daya Antibakteri Ekstrak Kulit Apel Manalagi (*Malus sylvestris Mill.*) Terhadap Pertumbuhan *Streptococcus mutans*. *e-Jurnal Pustaka Kesehatan*. 2(1): 23–28.

Kadkhoda, Z., Amarlu, Z., Eshraghi, S., and Samiei, N. (2016) Antimicrobial effect of chlorhexidine on *Aggregatibacter actinomycetemcomitans* biofilms associated with peri-implantitis. *Journal of Dental Research, Dental Clinics, Dental Prospects.* 10(3): 176–180.

Karched, M., Bhardwaj, R.G., and Asikainen, S.E. (2015) Coaggregation and biofilm growth of *Granulicatella* spp. with *Fusobacterium nucleatum* and *Aggregatibacter actinomycetemcomitans*. *BMC Microbiology*. 15: 1–10.

Kim, I., Ku, K.H., Jeong, M.C., Kim, S.S., Mitchell, A.E., and Lee, J. (2019) A comparison of the chemical composition and antioxidant activity of several new early- to mid-season apple cultivars for a warmer climate with traditional cultivars. *Journal of the Science of Food and Agriculture*. 99(10): 4712–4724.

Kolliyavar, B., Shettar, L., and Thakur, S. (2016) Chlorhexidine : The Gold Standard Mouth Wash. *Journal of Pharmaceutical and Biomedical Sciences*. 6(2): 106–109.

Kononen, E., Gursoy, M., and Gursoy, U.K. (2019) Periodontitis: A Multifaceted Disease of Tooth-Supporting Tissues. *Journal of Clinical Medicine*. 8(8): 1–12.

Lang, N.P., Lindhe, J., Berglundh, T., Giannobile, W. V., and Sanz, M. (2015) *Clinical Periodontology and Implant Dentistry*. 6th ed. Chichester: Wiley Blackwell. 401–402.

Leonarto, M.N. and Habar, E.H. (2017) The impact of mouth-rinsing using chlorhexidine gluconate 0.2% to the amount of plaque-causing bacteria colonies in fixed orthodontic users. *Journal of Dentomaxillofacial Science*. 2(2): 91–94.

Ma, Y., Ding, S., Fei, Y., Liu, G., Jang, H., and Fang, J. (2019) Antimicrobial activity of anthocyanins and catechins against foodborne pathogens *Escherichia coli* and *Salmonella*. *Food Control.* 106: 1–8.

Magdalena, N.V. dan Kusnadi, J. (2015) Antibakteri dari Ekstrak Kasar Daun Gambir (*Uncaria gambir* var Cubadak) Metode *Microwave-Assisted Extraction* Terhadap Bakteri Patogen. *Jurnal Pangan dan Agroindustri*. 3(1): 124–135.

Mahalakshmi, K., Krishnan, P., and Chandrasekaran, S.C. (2018) Detection of *Aggregatibacter actinomycetemcomitans* leukotoxin and fimbria-associated protein gene genotypes among periodontitis patients and healthy controls: A case–control study. *Dental Research Journal*. 15(3): 185–190.

Mariam, F., Firdaus, I.W.A.K., dan Panjaitan, F.U.A. (2020) Uji Efektivitas Ekstrak Kulit Batang Pohon Kayu Ulin (*Eusideroxylon zwageri*) Terhadap *Aggregatibacter actinomycetemcomitans*. *DENTIN (Jurnal Kedokteran Gigi)*. 4(2): 43–48.

Munawwarah, Z.F., Aufia, W., dan Masitha, N. (2017) Uji Aktivitas Antibakteri Ekstrak Etanol Biji Mangga (*Mangifera indica.L*) Terhadap *Propionibacterium acnes*. *Pharmaceutical Journal of Islamic Pharmacy*. 1(1): 31–35.

Munira, Rasidah, Mellani, E., Zakiah, N., dan Nasir, M. (2018) Uji Aktivitas Antibakteri Ekstrak Etanol Daun Ketapang (*Terminalia catappa L.*) Warna Hijau dan Warna Merah serta Kombinasinya. *Indonesian Journal of Pharmacy and Natural Product*. 1(2): 8–13.

Nazir, M.A. (2017) Prevalence of periodontal disease, its association with systemic diseases and prevention. *International Journal of Health Sciences*. 1(2): 72–80 (Abstr.).

Neville, B.W., Damm, D.D., Allen, C.M., and Chi, A.C. (2019) *Color Atlas of Oral and Maxillofacial Diseases*. Philadelphia: Elsevier. 102.

Newman, M.G., Takei, H.H., Klokkevold, P.R., and Carranza, F.A. (2019) *Newman and Carranza's Clinical Periodontology*. 13th ed. Philadelphia: Elsevier. 55,62,63,89,90,122,124,146,427,555.

Owu, N.M., Fatimawali, dan Jayanti, M. (2020) Uji Efektivitas Penghambatan dari Ekstrak Daun Sirih (*Piper Betle* L.) Terhadap Bakteri *Streptococcus mutans*.

Jurnal Biomedik. 12(3): 145–152.

Pertiwi, R.D., Yari, C.E., dan Putra, N.F. (2016) Uji Aktivitas Antioksidan Ekstrak Etanol Limbah Kulit Buah Apel (*Malus domestica* Borkh.) Terhadap Radikal Bebas DPPH (*2,2-Diphenyl-1-Picrylhydrazil*). *Jurnal Ilmiah Manuntung.* 2(1): 81–92.

Putra, K.K., Setyowati, E., dan Susilorini, T.E. (2016) Inhibition Of *Malus sylvestris Mill*. Peel Extract Using Etanol Solvent On The Growth Of *Streptococcus agalactiae* And *Escherichia coli* Causing Mastitis. *Jurnal Ternak Tropika*. 17(1): 77–85.

Rao, P.P., Subramanian, P., Sudhakar, P., Reddy, T.S., Reddy, P.R., and Baburaj, D.S. (2013) Pharmacognostic and high performance thin layer chromatography finger printing of *Pyrus malus* Linn. *Indian Journal of Research in Homoeopathy*. 7(1): 3–8.

Raphael, A., Soegiharto, G.S., dan Evacuasiany, E. (2017) Efektivitas Berkumur Ekstrak Kulit Apel Manalagi (*Malus sylvestris Mill.*) 12,5% terhadap Penurunan Indeks Plak. *SONDE (Sound of Dentistry)*. 2(1): 32–43.

Reddy, S. (2018) *Essentials of Clinical Periodontology Periodontics.* 5th ed. New Delhi: Jaypee Brothers Medical Publishers. 65,77,136,138,429.

Rohman, Y., Putri, D.R.R.E., Ardhila, N.F., dan Fathimah (2018) Daya Hambat Terendah Ekstrak Kulit Apel Manalagi (*Malus sylvestris Mill.*) Terhadap Bakteri *Eschericia coli*. *Journal of Islamic Nutrition*. 1(1): 26–32.

Roy, R. (2019) Review: Biochemical Studies on Chlorogenic Acid & Its Pharmacological Effect. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences.* 5(3): 229–243.

Safitri, L., Susilorini, T.E., dan Surjowardojo, P. (2017) Evaluasi Aktivitas Antimikroba (*Streptococcus agalactiae*) Menggunakan Exstrak Buah Mahkota Buah (*Phaleria macrocarpa L.*) Dengan Pelarut Yang Berbeda. *Jurnal Ilmu dan Teknologi Hasil Ternak*. 12(1): 8–15.

Sastrawan, I.G.G., Fatmawati, N.N.D., Budayanti, N.N.S., dan Darwinata, A.E. (2020) Uji Daya Hambat Ekstrak Etanol 96% Daun Gamal (*Gliricidia sepium*) Terhadap Bakteri *Methicillin Resistant Staphylococcus aureus* (MRSA) ATCC 3351. *Jurnal Medika Udayana.* 9(7): 1–6.

Shahidi, F., Vamadevan, V., Oh, W.Y., and Peng, H. (2019) Phenolic compounds in agri-food by-products, their bioavailability and health effects. *Journal of Food Bioactives*. 5: 57–119.

Suni, N.A., Wowor, V.N.S., dan Leman, M.A. (2017) Uji daya hambat rebusan daun pepaya (*Carica papaya*) terhadap pertumbuhan *Candida albicans* pada plat resin akrilik polimerisasi panas. *Jurnal e-GIGI*. 5(1): 74–78.

Surjowardojo, P., Susilorini, T.E., dan Benarivo, V. (2016) Daya Hambat Dekok Kulit Apel Manalagi (*Malus sylvestris Mill*) Terhadap Pertumbuhan *Escherichia coli* dan *Streptococcus agalactiae* Penyebab Mastitis Pada Sapi Perah. *Jurnal Ternak Tropika*. 17(1): 11–21.

Suryati, N., Bahar, E., dan Ilmiawati (2017) Uji Efektivitas Antibakteri Ekstrak *Aloe vera* Terhadap Pertumbuhan *Escherichia coli* Secara *In Vitro*. *Jurnal Kesehatan Andalas*. 6(3): 518–522.

Utomo, S.B., Fujiyanti, M., Lestari, W.P., dan Mulyani, S. (2018) Uji Aktivitas Antibakteri Senyawa Hexadecyltrimethylammonium-Bromide Terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli*. *JKPK (Jurnal Kimia dan Pendidikan Kimia)*. 3(3): 201–209.

Vahabi, S., Hakemi-Vala, M., and Gholami, S. (2019) *In vitro* Antibacterial Effect of Hydroalcoholic Extract of *Lawsonia inermis*, *Malva sylvestris*, and *Boswellia serrata* on *Aggregatibacter actinomycetemcomitans. Advanced Biomedical Research*. 8(22): 1–7.

Wang, S., Yao, J., Zhou, B., Yang, J., Chaudry, M.T., Wang, M., Xiao, F., Li, Y., and Yin, W. (2018) Bacteriostatic Effect of Quercetin as an Antibiotic Alternative In Vivo and Its Antibacterial Mechanism *In Vitro*. *Journal of Food Protection*. 81(1): 68–78.

Winarna, Sikanna, R., dan Musafira (2015) Analisis Kandungan Timbal Pada Buah Apel (*Pyrus Malus*.L) Yang Dipajangkan Dipinggir Jalan Kota Palu Menggunakan Metode Spektrofotometriserapan Atom. *Online Jurnal of Natural Science*. 4(1): 32–45.

Yuhyi, A.N., Praharani, D., dan Aris, M. (2016) Daya Hambat Ekstrak Apel Manalagi (*Malus sylvetris Mill.*) terhadap Pertumbuhan *Porphyromonas gingivalis. Prosiding The 3th Dentistry Scientific Meeting of Jember*. 9–16.

Zhou, X. and Li, Y. (2015) *Atlas of Oral Microbiology From Healthy Microflora to Disease*. London: Elsevier. 84–85.

Zhu, B., Macleod, L.C., Newsome, E., Liu, J., and Xu, P. (2019) *Aggregatibacter actinomycetemcomitans* mediates protection of *Porphyromonas gingivalis* from *Streptococcus sanguinis* hydrogen peroxide production in multi-species biofilms. *Nature Scientific Reports*. 9: 1–10.