

DAFTAR PUSTAKA

- Abbott and Yu. 2007. *A clinical classification of the status of the pulp and the root canal system.* School of Dentistry, The University of Western Australia. *Australian Dental Journal Endodontic Supplement*, 52 (1 Suppl) 17-31.
- Ali, S., Baharuddin, M., Sappewali, S. 2018. Pengujian Aktivitas Antibakteri Minyak Atsiri Jahe Merah (*Zingiber Officinale Roscoe*) Terhadap Bakteri *Staphylococcus Aureus* dan *Escherichia Coli*. *Al-Kimia Journal*, 1(2) 18-31.
- Ali, S.G., and Mulay, S. 2015. Pulpitis: A review. *IOSR Journal of Dental and Medical Science* (IOSR-JDMS), 14 (8), 92-97.
- Amanah dan Cornelli, D.L. 2017. Keefektifan Konsentrasi Ekstrak Jahe (*Zingiber Officinale Roscoe*) Terhadap Pertumbuhan Bakteri *Shigella Dysenteriae*. *Tunas Medica Jurnal Kedokteran dan Kesehatan*, 2(3), 1-4.
- Ambikathanaya. 2014. Intracanal Antiseptic Medications. *Unique Journal of Medical and Dental Sciences*, 2 (3), 136-142.
- Anam, K. 2015. Isolasi Senyawa Triterpenoid Dari Alga Merah (*Eucheuma Cottonii*) Menggunakan Kromatografi Lapis Tipis (KLT) Dan Analisisnya Menggunakan Spektfotometer UV-Vis dan FTIR. Malang : Kimia Fakultas Sains dan Teknologi. Skripsi
- Anila, B., Murali, H., Cheranjeevi, J., and Kapil, R.S. 2014. Lesion Sterilization and Tissue Repair (LSTR) : A Review. *Jurnal of Scientific Dentistry*, 4 (2), 49-55.

- Arifin, Z. 2012. *Aktifitas Antimikroba Ekstrak Etanol Jahe Merah (Zingiber Officinale Roscoe Var Rubrum) Terhadap Staphylococcus aureus, Escherichia coli dan Candida albicans.* Universitas Muhammadiyah Surakarta. Skripsi
- Awanis, M.A and Mutmainnah, A.A. 2016. Uji Antibakteri Ekstrak Oleoresin Jahe Merah terhadap Bakteri *Streptococcus Pyogenes*. *Jurnal Ilmiah Kedokteran*, 3(1), 33-41
- Babu, A., Malathi, L., Karthick, R., and Sankari, S.L. 2016. Immunology of Dental Caries. *Biomedical and Pharmacology Journal*, 9 (2), 823-826.
- Baumgartner J.C., Siqueira J.F., Sedgley C.M., and Kishen, A. 2008. Ingle's Endodontic. In : Microbiology of Endodontic Disease. 6th ed. Japan : United Publisher Services Limited.
- Bergenholz, G. 2010. Inflammatory response of the dental pulp to bacterial irritation. *Journal of Endodontics*, 7 (3), 100-104.
- Bermawie, N., Kristina, N.N., Martono, B., Djazuli, M., & Ma'mun. 2007. Pemanfaatan tanaman akway (Drymis sp.) oleh masyarakat lokal di Manokwari, Papua Barat. *Prosiding Seminar Nasional dan Pameran Perkembangan Teknologi Tanaman Obat dan Aromatik*; Puslitbangbun, Bogor.
- Bontjura, S., Waworuntu, O.A., Siagian, K.V. 2015. Uji Efek Antibakteri Ekstrak Daun Leilem (*Derodendrum minahassae* L) Terhadap Bakteri *Streptococcus mutans*. *Ilmu Farmasi*, 4(4), 2302-2493.

- Chusnie, T.P and Lamb, A.J. 2005. Antimicrobial Activity of Flavonoids. *International Journal of Antimicrobial Agents*, 343-356.
- Dabuleanu, M. 2013. Pulpitis reversibel/irreversible. *J Can Dent Assoc*, 79 (4), 90-94.
- Dammaschke, T., Jung, N., Harks, I., and Schafer, E. 2013. The effect of different root canal medicaments on the elimination of *enterococcus faecalis* ex vivo. *European Journal of Dentistry*, 7 (4), 442-448.
- Daryono, E.D., Trilaksono, F.A., and Walianti, L. 2015. Ekstraksi Minyak Atsiri Jahe Merah dengan Variasi Jenis Pelarut dan Waktu Ekstraksi. *Seminar Nasional Teknologi*.
- Deshpande, P.M., and Naik, R.R. 2015. Comprehensive review on recent root canal filling materials and techniques. *International Journal of Applied Dental Sciences*, 1 (5), 30-34.
- Dixit, L.P., Shakya, A., Shrestha, M., and Shrestha, A. 2013. Dental caries prevalence, oralhealth knowledge and practice among ondigenous. *BMC Oral Health Journal*, 13 (20), 1-5.
- Fall, 2009. Endodontics Obturation of Root Canal Systems. *American Association of Endodontics Journal*.
- Farges, J.C., Licht, B.A., Renard, E., Ducret, M., Gaudin, A., Smith, J.A. et al. 2015. Dental Pulp Defence and Repair Mechanism in Dental Caries. *Hindawi Publishing Corporation*.
- Featherstone. 2008. Dental Caries : A Dynamic Disease Process. *Aus Dent Journal*, 53 (3), 286-291.

- Fildago, B., Oliveira, B.H., and Hirata, R. 2008. Antimicrobial Activity of Root Canal Filling Materials for Primary Teeth. *Journal of Endodontic Microbiology*.
- Fisher, K. and Phillips, C. 2009. The ecology, epidemiology and virulence of *Enterococcus*. *Journal of Microbiology University of Northampton*, 155, 1749-1757.
- Gajan, E.B., Aghazadeh, M., Abashov, R., Milani, A.S., and Moosavi, Z. Microbial flora of root canals of pulpally-infected teeth : *Enterococcus Faecalis* a prevalent spesies. 2009. *J Dent Res clint dent pros pect*, 3 (1), 24-27.
- Garg, S. 2013. *Texbook of operative dentistry* 2nd ed. New Delhi : Jaypee.
- Giniraju, A., Yunus, GY. 2013. Assesment antimicrobial potential of 10% ginger extract against *Streptococcus mutans*, *Candida albicans*, and *Enterococcus faecalis*: An in vitro study. *Indian journal of dental research*, 24(4), 397-400
- Goodell, G.G., Tordik, P.A., and Moss, H.D. 2005. Pulpal and periradicular diagnosis. *Clinical Update Journal Naval Medical Center*, 27 (9), 1-6.
- Grossman, LI., Oliet, S., and Rio, C. 2015. Alih bahasa : Rafiah Abyono. *Endodontic Practice 11thEd.* Jakarta : EGC.
- Handrianto, P. 2016. Uji Antibakteri Ekstrak Jahe Merah *Zingiber officinale* var. *Rubrum* terhadap *Staphylococcus aureus* dan *Escherichia coli*. *Journal of Research and Technology*, 2 (1), 1-4.
- Harborne. 2006. *Metode Fitokimia*. Bandung : Penerbit ITB

- Hargreaves, K. and Berman, L. 2010. *Cohen's Pathway of The Pulp.* Canada : Elsevier
- Hikmah, F.D. 2012. *Pengaruh Partisi Bertingkat Cair-Cair Ekstrak Etanol Rimpang Jahe (Zingiber officinale rosc.) Terhadap Profil Kandungan Senyawa Kimia Dan Aktivitas Antiradikalnya.* Universitas Muhammadiyah Surakarta. Skripsi
- Hoshino. 2004. LSTR 3MIX-MP Method-Better and Efficient Clinical Procedures of Lesion Sterilization and Tissue Repair (LSTR) therapy. *Dental Rev*, 6 (4), 16-25.
- Indrawati, I., Miranti, M., and Mayfi, I.R. 2016. Antibacterial Activity of Ethanolic Extracts of Rhizome from Three Ginger Varieties Against Acne Isolated Bacteria. *Nusantara Broscience Journal*, 9 (1), 92-96.
- Jakribettu, R.P., Boolor, R., Bhat, H.P., Thaliath, A., Haniadka, R., Rai, M.P *et al.* 2016. Ginger (Zingiber Officinale Roscoe) Oil. *Journal of Research Gate.*
- Jamil, Ali. 2012. *Petunjuk Teknis Budidaya Tanaman Jahe.* Sumatera Utara : Balai Pengkajian Teknologi Pertanian (BPTP)
- Javed, M., Chaudhry, S., Butt, S., Ijaz, S., Asad, R., Awais, F *et al.* 2013. Transmission Of *Streptococcus Mutans* From Mother To Child. *Pakistan Oral & Dental Journal*, 32 (3), 493-496.
- Kadnur, S.V., and Goyle, R.K. 2005. Beneficial Effect of *Zingiber Officinale Roscoe* on Fructose Induced Hyperlipidemia in Rats. *Indian J. Exp. Biol*, 43 (12), 1161-1164.

- Kaitu, R.A.M., Sidharta, B.R. dan Atmojo, K. 2013. Aktivitas Antibakteri Fungi Endofit Jahe Merah Terhadap *Escherichia Coli* dan *Streptococcus Pyogenes*. *Jurnal Universitas Atma Jaya Yogyakarta*. 1-5.
- Karpinski, T.M., and Szkaradkiewicz, A.K. 2013. Microbiology of dental caries. *J Biol Earth Sci*, 3 (1), 21-24.
- Khayum, N. 2015. *Perbandingan Efektivitas Daya Hambat Anti Bakteri Ekstrak Rimpang Jahe Merah (Zingiber Officinale Var Rubrum) dengan formula obat kumur lidah buaya terhadap pertumbuhan bakteri Staphylococcus aureus*. Universitas Andalas. Skripsi.
- Khanbabae, K., dan Ree, T.V. 2002. Tanin : Classification and Definition. *The Royal Society of Chemistry Journal*, 641-649.
- Khasanah, I., Sarwiyono dan Surjowardojo, P. 2014. *Ekstrak Etanol Daun Kersen (Muntingia calabura L.) Sebagai Antibakteri Terhadap Streptococcus agalactiae Penyebab Mastitis Subklinis Pada Sapi Perah*. Universitas Brawijaya. Skripsi
- Kidd, E.A.M., and Bechal, S.J. 2012. *Dasar-dasar Karies Penyakit dan Penanggulangannya*. Jakarta : EGC.
- Kimura, I., Pancho, L.R., dan Tsuneki, H. 2005. Pharmacology of Ginger. In: Ravidran, P.N., dan Baby, K.N, ed. *Ginger : The Genus Zingiber*. Washington DC: CRC Press
- Kueta, V. 2013. *Medical Plant Research in Africa Chapter 4*. Amsterdam : Elsevier

- Kusrahman, A. 2012. *Isolasi, Karakterisasi Senyawa Aktif dan Uji Farmaka Ekstrak Biji Kebiul pada Mencit (Mus musculus) serta Penerapannya dalam Pembelajaran Kimia di SMAN 1 Bengkulu Selatan*. Bengkulu : Program Pasca Sarjana (S2) Pendidikan IPA Fak. Keguruan dan Ilmu Pendidikan. Thesis.
- Lantera, T. 2002. *Khasiat dan Manfaat Jahe Merah : Si Rimpang Ajaib*. Jakarta : Agro Media Pustaka.
- Lay, W.B. 1994. *Analisis Mikrobiologi di Laboratorium*. Jakarta : Penerbit PT. Raja Grafindo Persada
- Li, H., Wary, Z., and Liu, Y. 2003. Review in the studies on tanins activity of cancer prevention and anticancer. *Zhong - yao cai Journal*, 26(6), 444-448.
- Madduluri, S., Rao, K, Babu and Sitaram, B. 2013. In Vitro Evaluation of Antibacterial Activity of Five Indegenous Plants Extract Agants Five Bacterial Pathogen of Human. *International Journal of Pharmacy and Pharmaceutical Sciences*, 5(4), 679-684.
- Mallick, R., Mohanty, S., Behera, S., Sarangi, P., Nanda, S., and Kumar, S. 2014. Enterococcus Faecalis: A Resistant Microbe in Endodontics. *International Journal of Contemporary Dental & Medical Reviews*.
- Matriani, A. 2014. *Distribusi Penyakit Periapikal berdasarkan Etiologi, dan klasifikasi di RSKGM FKG UI tahun 2009-2013*. Jakarta : FKG UI. Skripsi.

- Metzger, Z. 2011. From File to SAF: 3D Endodontic Treatment is Possible at Last. *NCBI Journal*, 104 (1-2), 36-44.
- Mohammadi, Z., and Abbott PV. 2009. On the local applications of antibiotics and antibiotics-based agents in endodontics and dental traumatology. *Int Endod J*, 42 (7), 555-567.
- Nakajo, K., Komori, R., Ishikawa, S., Ueno, T., Suzuki, Y., Imawi, Y. et al. 2006. Resistance to Acidic and Alkaline Environments in the Endodontic Pathogen *Enterococcus Faecalis*. *Oral Microbiol Immunol*, 21 (5), 238-245.
- Nguyen, D.H., and Martin, J.T. 2008. Common Dental Infection in the Primary Care Setting. *American Family Physician Journal*, 77 (6), 797- 802.
- Nugroho, R., Budi, A.T., and Kunarti. S. 2015. The Application of lesion sterilization and tissue repair 3MIX-MP for treating rat's dental pulp tissue. *Dental Journal*, 48 (1), 12-15.
- Octaviani, Y. 2009. *Isolasi dan Identifikasi Aglikon Saponin Kecambah Kacang Hijau (phaseolus radiatus l)*. Yogyakarta : Fakultas Farmasi Universitas Sanata Dharma. Skripsi.
- Parasuraman, V. and Muljibhai, B.S. 2012. 3 MIX-MP in Endodontics An Overview. *IOSR Journal of Dental and Medical Sciences*, 3 (1), 36-45.
- Patel, N. and Bargale, S. 2016. *Lesion Sterilization and Tissue Repair- "LSTR"*. Germany: Lambert Academic Publishing.

- Qadeer, S., Munir, B., and Dar, S.Y. 2016. Comparison of effectiveness of triple antibiotik Paste (3MIX) and vitapex for root canal treatment of pulpally involved primary molars. *Pakistan Oral & Dental Journal*, 36 (4), 654-657.
- Rahmadani, N., Ruslan, D.A.T., Satrimafitrah, P. 2018. Penerapan metode ekstraksi pelarut dalam pemisahan minyak atsiri jahe merah (*Zingiber officinale var rubrum*). *Kovalen jurnal*, 4(1), 74-81.
- Rahmadani, S., Sa'diah, S.m dan Wardatun, S. 2015. Optimasi Ekstrak Jahe Merah (*Zingiber officinale Roscoe*) dengan metode maserasi. *Jurnal Online Mahasiswa (JOM) Bidang Farmasi*, 1(1).
- Rahmi, A., Cahyanto, T., Sujarwo, T., dan Lestari, K.I. 2015 Uji Aktivitas Antibakteri Ekstrak Daun Beluntas (*Pluchea indica (L) less*) Terhadap *Propionibacterium acnes* Penyebab Jerawat. *Jurnal Research Gate*, 9(1), 141-161.
- Rasyid, A. 2016. Analisis Metabolit Sekunder, Aktivitas Antibakteri dan Komposisi Golongan Senyawa dalam Ekstrak Teripang *Bohadschia Sp.* *Jurnal Ilmu dan Teknologi Kelautan Tropis*, 8(2), 645-653.
- Redha, A. 2010. Flavonoid: Struktur, Sifat Antioksidatif dan Peranannya dalam Sistem Biologis. *Jurnal Berlian*, 9(2), 196-202.
- Rialita, T., Rahayu, W.P., Nuraida, L., dan Nurtama, B. 2015. Aktivitas Antimikroba Minyak Essensial Jahe Merah (*Zingiber officinale var rubrum*) dan Lengkuas Merah Terhadap Bakteri Patogen dan Perusak Pangan. *Agritech Jurnal*, 5(1), 43-52.

- Rijayanti, R.P. 2014. Uji Aktivitas Antibakteri Ekstrak Etanol Daun Mangga Bacang (*Mangifera foetida l*) Terhadap *Staphylococcus aureus* Secara In Vitro. Tanjung pura : Fakultas Kedokteran Universitas Tanjung Pura. Skripsi.
- Riska, F., Puguh, S., dan Sarwiyono. 2014. Inhibition Activity of Moringa Oleifera Leaf Juice to Growth of *Streptococcus Agalactiae* and *Streptococcus Uberis* Bacteria Causes Mastitis Dairy Cows. *Jurnal Fakultas Pertanian Universitas Brawijaya*
- Rohyani, I.S., Aryanti, E., and Suripto. 2015. Kandungan fitokimia beberapa jenis tumbuhan lokal yang sering dimanfaatkan sebagai bahan baku obat di Pulau Lombok. *Pros Sem Nas Masy Biodiv Indon*, 1 (2), 388-391.
- Roslizawaty, Ramadani, N.Y., Fakhruzzaki dan Herrialfian. 2013. Aktivitas Antibakterial Ekstrak Etanol Dan Rebusan Sarang Semut (*Myrmecodia Sp.*) Terhadap Bakteri *Escherichia Coli*. *Jurnal Medika Veterinaria*, 7(2), 91-94.
- Saifudin, A. 2014. *Senyawa Alam Metabolit Sekunder Teori, konsep dan teknik pemurnian*. Yogyakarta : Deepublish
- Samaranayake, L. 2006. *Essential Microbiology for Dentistry*.3 rd ed. Churchill Livingstone : Elsevier.
- Selwitz, R.H., Ismail, A., and Pitts N.B. Dental caries. 2007. *Lancet journal*, 369 (9555), 51 -59.
- Singh, G., Kapoor, I.P.S., Singh, P., Heluani, C.D., dan Lampasona, M.P. 2008. Chemistry, Antioxidant and Antimicrobial Investigations on Essential Oil

- and Oleoresins of *Zingiber Officinale*. *Journal Food and Toxicol*, 46(10), 3295-3302.
- Setia, S., Singh, R., and Kapoor, V. 2012. Immunology in Prevention of Dental Caries. *Universal Research Journal of Dentistry*, 2 (2), 58- 63.
- Shailaja, S. and Suresh, B.S. 2014. Endodontic Microflora - A Review. *Journal of Oral Health & Community Dentistry*, 8 (3), 160-165.
- Sidhu, G.K., Mantha, S., Murthi, S., Sura, H., Kadaru, P., et al. 2015. Evaluation of *Lactobacillus* and *Streptococcus mutans* by Addition of Probiotics in the form of Curd in the Diet. *Journal of International Oral Health*, 7 (7), 85-89.
- Sigh, H., Markan, S., Kaur, M., and Gupta, G. 2015. Endodontic Sealers : Current Concepts and Comparative Analysis. *Dent Open J*, 2 (1), 32-37.
- Sivasothy, Y., Chong, W.K., Hamid, A., Eldeen, I.M., Sulaiman, S.F., and Awang, K. 2011. Essential oils *Zingiber Officinale Rubrum Rhizoma Theilade* and their antibacterial activities. *Elsevier Journal*.
- Stuart, C.H., Schwartz, S.A., Beeson and Owatz. 2006. Enterococcus Faecalis : Its Role in Root Canal Treatment Failure and Current Concepts in Treatment. *J. Endod*, 32 (2), 93-98.
- Sulistyani, N., Eni, K., Yakup dan Risa, A.C. 2016. Aktivitas Antibakteri Infusa Daun Lidah Buaya (*Aloe barbadensis Miller*). *Jurnal Penelitian Saintek Akademi Analis Kesehatan Manggala*, 21(2), 120–128.
- Syahdrajat, T. 2015. *Panduan Menulis Tugas Akhir Kedokteran dan Kesehatan*. Jakarta : Prenadamedia Group

- Szymanska, M.L., Zarzycka, B., Grzeyorczyk, J., Poltorak, K., Sokolowski, J., and Lapinska, B. 2016. *Streptococcus Mutans and Enterococcus Faecalis* as Crucial Pathogens of the Oral Cavity. *Dental Forum Journal*, 6 (2), 47-52.
- Tabassum, S. and Khan, F.R. 2010. Failure of Endodontic Treatment: The Usual Suspects. *European Journal of Dentistry*, 10 (1), 144-147.
- Takushige, T., Hataoka, H., Ando, M., and Hoshino, E. 2009. Endodontic Retreatment using 3 MIX-MP Without Removal of Previous Root Canal Obturation. *Journal of LSTR therapy*
- Todar, K. 2012. *Online textbook of bacteriology*. University of Wisconsin : Department of Bacteriology.
- Torabinejad, M. and Walton R. E. 2009. *Endodontics: Principles and Practice* (4th ed.). St. louis, Missouri: Saunders.
- Trihono, 2013. *Riset Kesehatan Dasar 2013*. Jakarta : Badan Penelitian Dan Pengembangan Kesehatan Kementerian Kesehatan RI.
- Ustundag, O.G., and Mazza, G. 2007. Saponins : Properties, Application and Processing. *Critical Review in Food Science and Nutrition*. 231-258.
- Utomo, S. 2016. Pengaruh Konsentrasi Pelarut (n-heksan) Terhadap Rendeman Hasil Ekstraksi Minyak Biji Alpukat Untuk Pembuatan Krim Pelembab Kulit. *Konversi Jurnal*, 5(1), 39-47.
- Vos, T., Flaxman A.D., Naghavi, M., Lozano, R., Michaud, C., Ezzati, M. et al. 2012. A Systematic analysis for the Global Burden of Disease Study 2010. *Lancet J*, 380 (9859), 2163-2196.

- Wade, W.G. The Oral Microbiome In Health and Disease. *Pharmacol Res J.* Vol, 69 (1), 37-43.
- Wannissorn, B., Maneesin, P., Tubtirutes, S., dan Wangchanachai, G. 2009. Antimicrobial Activity of Essential Oil Extracted from Thai Herbs and Spices. *Asian Journal of Food and Agro-Industry*, 2(4), 677-689.
- Waji, R.A., dan Sugrani, A. 2009. *Flavonoid (Quercetin)*. Sulawesi : Universitas Hasanuddin.
- Weinberg, M., and Froum, S.J. 2017. *Obat dan Peresepan Buku Panduan Kedokteran Gigi*. Jakarta : EGC
- Whiley, R.A., and Beighton, D. 2013. *Streptococci and Oral Streptococci*. Bite sized Tutorials.
- Widodo, N. 2007. *Isolasi dan Karakterisasi Senyawa Alkaloid yang terkandung dalam Jamur Tiram Putih*. Semarang : Jurusan Kimia, FMIPA Unnes. Skripsi
- Wijanarko, A., Ginting, M.J., Sahlan. M., Savitri., I.K.E., Florenzia, Y., Sudiarta, M.R., et al. 2017. Saponin Isolation as Main Ingredients of Insecticide and Collagen Type I From Crown of Thorn Starfish. *IOP Cont. Series : earth and environmental science*, 89(1), 1-20.
- Yadav, K and Prakash, S. 2016. Dental Caries: A Review. *Journal of Clinical Infectious Diseases & Practice*, 2 (1), 1-15.