

DAFTAR PUSTAKA

- Abdulkarim, M.F., Ghassan, Z.A., Mallikarjun, C., Elrashid, S.M., Mun, F.Y., Ahmed, F., Ibrahim, M., 2010, Stability Studies of Nano-Cream Containing Piroxicam., *International Journal of Drug Delivery* 2, no. 4 : 333–39, <https://doi.org/10.5138/ijdd.2010.0975.0215.02045>.
- Agusta, A., 2000, Minyak Atsiri Tumbuhan Tropika Indonesia, Penerbit ITB Bandung.
- Almeida, Isabel F., dan M. Fernanda Bahia, 2006, Evaluation of the Physical Stability of Two Oleogels, *International Journal of Pharmaceutics* 327, no. 1–2: 73–77, <https://doi.org/10.1016/j.ijpharm.2006.07.036>.
- Ansel, H. C., 2008, *Pengantar Bentuk Sediaan Farmasi*, ed IV, Alih bahasa Ibrahim, F. Jakarta : UI Press.
- Aqil, M., Abdul, A., Yasmin, S., dan Asgar, A., 2007, Status of Terpenes as Skin Penetration Enhancers, *Drug Discovery Today* 12, no. 23–24 : 1061–67, <https://doi.org/10.1016/j.drudis.2007.09.001>.
- Araújo Silva, V., *et al.*, 2016, *Ocimum Basilicum*: Antibacterial Activity and Association Study with Antibiotics against Bacteria of Clinical Importance, *Pharmaceutical Biology* 54, no. 5: 863–67. <https://doi.org/10.3109/13880209.2015.1088551>.
- Arisanty, A., Tajuddin, A., dan Muli, S., 2019, Formulasi Dan Efek Anti Bakteri Sediaan Gel Pencuci Tangan Dari Minyak Atsiri Daun Kemangi (*Occimum basilicum* L.) Terhadap *Eschericia coli*, *Media Farmasi* 15, no. 2: 163, <https://doi.org/10.32382/mf.v15i2.1165>.
- Bakkali, F., S. Averbek, D. Averbek, dan M. Idaomar, 2008, Biological Effects of Essential Oils – A Review, *Food and Chemical Toxicology* 46, no. 2: 446–75, <https://doi.org/10.1016/j.fct.2007.09.106>.
- Barbalho, S.M., *et al.*, 2012, Sweet Basil (*Ocimum Basilicum*): Much More than a Condiment, no. 1, 3.1–3.5, <https://doi.org/10.5667/TANG.2011.0023>.
- Bassolé, I.H.N., *et al.*, 2010, Composition and Antimicrobial Activities of Lippia Multiflora Moldenke, Mentha x Piperita L. and *Ocimum Basilicum* L. Essential Oils and Their Major Monoterpene Alcohols Alone and in Combination, *Molecules* 15, no. 11 : 7825–39, <https://doi.org/10.3390/molecules15117825>.
- Begum, S. Gousia, *et al.*, 2019, A Review On Emulgels-A Novel Approach For Topical Drug Delivery, *Asian Journal of Pharmaceutical Research and Development* 7, no. 2 : 70–77, <https://doi.org/10.22270/ajprd.v7i2.477>.
- Bilal, A., *et al.*, 2012, Phytochemical and Pharmacological Studies On *Ocimum Basilicum* Linn - a Review, *Int J Cur Res Rev*, Vol 04 (23).
- Brooks, G.F., Janet, S.B., Stephen A.M., 2007, Mikrobiologi Kedokteran Edisi 23, Alih Bahasa oleh Mudihardi, E., Kuntaman, Wasito, E.B., Mertaniasih, N.M., Harsono, S., dan Alimsardjono, L., Jakarta : Penerbit Buku Kedokteran EGC., pp. 163, 170, 225–31, 253.
- Buzea, C., Ivan, I.P., dan Kevin, R., 2007, Nanomaterials and Nanoparticles: Sources and Toxicity, *Biointerphases* 2, no. 4: MR17–71, <https://doi.org/10.1116/1.2815690>.

- Cahyani N., 2014, Daun kemangi (*Ocimum cannum*) sebagai alternatif pembuatan hand sanitizer, *Jurnal Kesehatan Masyarakat*, 9(2):136-142.
- Carvalho, F., *et al*, 2006, Influence of the Harvesting Time, Temperature and Drying Period on Basil (*Ocimum Basilicum* L.) Essential Oil, *Revista Brasileira de Farmacognosia* 16, no. 1: 24–30, <https://doi.org/10.1590/S0102-695X2006000100007>.
- Doloksaribu, B.E., dan Fitri, K., 2017, Formulation of Hand Sanitizer Gel from Combination of Basil Leaves (*Ocimum basilium* L.) and Papaya Seed (*Carica papaya* L.) Ethanol Extract, *Journal of the Pharmaceutical World*, Vol. 2, No. 1.
- Farida, 2011, Pengaruh Peresapan Bakteri *Staphylococcus aureus* dalam Media Agar terhadap Diameter Zona Hambatan Antibiotika Gentamisin Metode Difusi Cakram Kirby Bauer, *Jurnal Media Bina Ilmiah Mataram*; 8(8).
- Gupta, Amit, Rishabha, M., Tej Prakash, S., dan Pramod, K.S., 2010, Indian Medicinal Plants Used in Hair Care Cosmetics: A Short Review, *Pharmacognosy Journal*, no. 10 : 361–64, [https://doi.org/10.1016/S0975-3575\(10\)80110-5](https://doi.org/10.1016/S0975-3575(10)80110-5).
- Heyne, K., 1987, Tumbuhan Berguna Indonesia Jilid II, Badan Litbang Kehutanan, Jakarta.
- Hugo, W. B. dan Russel, A. D., 1998, *Pharmaceutical Microbiology*, VI Edition.28, 132, Blackwell Science, Ltd. United States of America.
- Jawetz, E., Melnick, J. L., Adelberg, E. A., 2005, *Mikrobiologi Kedokteran*, Edisi XXII, diterjemahkan oleh Bagian Mikrobiologi Fakultas Kedokteran Universitas Airlangga, 205-209, Penerbit Salemba Medika, Jakarta.
- Koroch, Adolfin R., James E. Simon, dan H. Rodolfo Juliani, 2017, Essential Oil Composition of Purple Basils, Their Reverted Green Varieties (*Ocimum Basilicum*) and Their Associated Biological Activity, *Industrial Crops and Products* 107 : 526–30. <https://doi.org/10.1016/j.indcrop.2017.04.066>.
- Krieg, N. R., Staley, J. T., Brown, D. R., Hedlund, B. P., Paster, B. J., Ludwig, W., Ward, N. L, & Whitman, W. B, 2010, *Bergey's Manual of Systematic Bacteriology. Second Edition. Volume Four. The Bacteroidetes, Spirochaetes, Tenericutes(mollicutes), Acidobacteria, Fibrobacteres, Fusobacteria, Dictyoglomi, Gemmatimonadetes, Lentisphaerae, Verrucomicrobia, Chlamydiae, and Planctomycetes*, New York: Springer Science+Business Media.
- Kristianto, F.A., 2014, Pengaruh Variasi Komposisi PEG 400 - PEG 4000 pada Aktivitas Antibakteri Salep Minyak Sereh Wangi Jawa (*Cymbopogon winterianus*) Terhadap Bakteri *Staphylococcus Epidermidis* ATCC 12228, Universitas Sanata Dharma.
- Lourenço, Mariana, *et al.*, 2018, In Vitro Evaluation of the Antimicrobial Activity of Basil (*Ocimum Basilicum* L.) and Coriander (*Coriandrum Satirum* L.) Oil Extracts on Streptococcus Mutans, *Journal of Research in Dentistry* 5, no. 2 : 40, <https://doi.org/10.19177/jrd.v5e2201740-45>.
- Lumaksita, Paulus, P.I., David, S., dan Sri, L., 2018, Efek Penghambatan Ekstrak Akuades Daun *Ocimum Basilicum* Terhadap *Streptococcus Mutans* *In Vitro*, *Jurnal Kedokteran Brawijaya* 30, no. 2 : 87, <https://doi.org/10.21776/ub.jkb.2018.030.02.2>.

- M. Hamad, Gamal, *et al.*, 2017, Antimicrobial, Antioxidant and Anti-inflammatory Characteristics of Combination (*Cassia fistula* and *Ocimum basilicum*) Extract as Natural Preservative to Control & Prevent Food Contamination, *Journal of Food and Nutrition Research* 5, no. 10: 771–80, <https://doi.org/10.12691/jfnr-5-10-8>.
- Marwat, *et al.*, 2011, Phytochemical Constituents and Pharmacological Activities of Sweet Basil-*Ocimum Basilicum* L. (Lamiaceae), *Asian J. Chem.* 23, no. 9: 10.
- Meenakshi, B., Santosh, K. dan Annapurna, O., 2014, Floating Drug Delivery System : A Review, *Journal of Drug Delivery & Therapeutic*, 4(2):130-134.
- Moghaddam, *et al.*, 2011, Antimicrobial Activity of Essential Oil Extract of *Ocimum Basilicum* L. Leaves on a Variety of Pathogenic Bacteria, *Journal of Medicinal Plants Research*, 5 (15), 3453-3456.
- Mukhtar, M.H., Adnan, A.Z., Pitra M.W., 2007, Uji Sitotoksitas Minyak Atsiri Daun Kamanggi (*Ocimum Basilicum* L.) dengan Metoda Brine Shrimp Lethality Bioassay, *J. Sains TekFar.*, Vol. 12 (1): 1-4.
- Ningrum, W.A., dan Waznah,U., 2018, Formulasi Mouthwash Ekstrak Etanol Daun Kemangi (*Ocimum basilicum* L.), *Cendekia Journal of Pharmacy*, Vol 2, No. 2.
- Nugraha, A. W., 2008, Si Plak Dimana-mana “*Streptococcus mutans*”, Yogyakarta, Fakultas Farmasi USD.
- Nurhanifah, I., Sukmawati, A., 2018, Formulasi dan Uji Aktivitas Antibakteri Sediaan Krim Minyak Atsiri Daun Kemangi (*Ocimum basilicum* L.) Sebagai Deodoran Terhadap *Staphylococcus epidermidis*, *The 8 th University Research Colloquium*, Universitas Muhammadiyah Purwokerto.
- Orafidiya, L.O, Oyedele, A.O, Shittu, A.O, Elujoba, A.A., 2001, The Formulation of an Effective Topical Antibacterial Product Containing *Ocimum Gratissimum* Leaf Essential Oil, *International Journal of Pharmaceutics* 224, no. 1–2 :177–83, [https://doi.org/10.1016/S0378-5173\(01\)00764-5](https://doi.org/10.1016/S0378-5173(01)00764-5).
- Padalia, Rajendra, C., *et al.*, 2017, Essential Oil Composition and Antimicrobial Activity of Methyl Cinnamate-Linalool Chemovariant of *Ocimum Basilicum* L. from India, *Rec. Nat. Prod.*,12.
- Pelczar, M. J. dan Chan, E. C. S., 2005, *Dasar-Dasar Mikrobiologi*, diterjemahkan oleh Hadioetomo, R. S., Penerbit Universitas Indonesia, Jakarta.
- Pontefract, H., *et al.*, 2001, The Erosive Effects of Some Mouthrinses on Enamel: A Study in Situ, *Journal of Clinical Periodontology* 28, no. 4 : 319–24, <https://doi.org/10.1034/j.1600-051x.2001.028004319.x>.
- Pratiwi, F.N.I., 2016, Formulasi Sediaan Gel Pasta Gigi Minyak Atsiri Kemangi (*Ocimum basilicum* L.) dan Uji Aktivitas Antibakteri Terhadap Bakteri *Streptococcus mutans*, Universitas Muhammadiyah Surakarta.
- Pratiwi, S.T., 2008, *Mikrobiologi Farmasi*, Jakarta: Erlangga.
- Predoi, Daniela, *et al.*, 2018, Antimicrobial Activity of New Materials Based on Lavender and Basil Essential Oils and Hydroxyapatite, *Nanomaterials* 8, no. 5 : 291. <https://doi.org/10.3390/nano8050291>.
- Priyatmoko, W, 2008, Aktivitas antibakteri karang lunak hasil transplantasi (*Sinularia* Sp.) pada dua kedalaman berbeda di perairan Pulau Pramuka Kepulauan Seribu,

- DKI Jakarta, Fakultas perikanan dan ilmu kelautan Institut Pertanian Bogor, Bogor.
- Rakhim, M., 2016, Formulasi Sediaan Salep Minyak Atsiri Kemangi (*Ocimum basilicum* L.) dan Uji Aktivitas Antibakteri Terhadap *Staphylococcus aureus*, Fakultas Farmasi Universitas Muhammadiyah Surakarta.
- Roller, Sibel, Nina, E., dan Jane, B., 2009, The Antimicrobial Activity of High-Necrodane and Other Lavender Oils on Methicillin-Sensitive and -Resistant *Staphylococcus Aureus* (MSSA and MRSA), *The Journal of Alternative and Complementary Medicine* 15, no. 3: 275–79, <https://doi.org/10.1089/acm.2008.0268>.
- Runyoro, *et al.*, 2010, Chemical Composition and Antimicrobial Activity of the Essential Oils of Four *Ocimum* Species Growing in Tanzania, *Food Chemistry* 119, 311–16. <https://doi.org/10.1016/j.foodchem.2009.06.028>.
- Said-Al Ahl, H.A.H., Meawad, A.A., Abou-Zeid, E.N., Ali, M.S., 2015, Evaluation of Volatile Oil and Its Chemical Constituents of Some Basil Varieties in Egypt, *International Journal of Plant Science and Ecology*, Vol. 1, No. 2, pp: 103-106.
- Sajjadi, S.E, 2006, Analysis of the essential oils of two cultivated basil (*Ocimum basilicum* L.) from Iran, *Daru*, 14(3), 128-130.
- Sakkas, Hercules, dan Chrissanthy,P., 2017, Antimicrobial Activity of Basil, Oregano, and Thyme Essential Oils, *Journal of Microbiology and Biotechnology* 27, no. 3: 429–38, <https://doi.org/10.4014/jmb.1608.08024>.
- Samaranayake, L., 2006, Essential Microbiology for Dentistry, Churchill Livingstone: Elsevier Limited, p.225.
- Sienkiewicz, M., *et al.*, 2013, The Potential of Use Basil and Rosemary Essential Oils as Effective Antibacterial Agents, *Molecules* 18, no. 8 : 9334–51, <https://doi.org/10.3390/molecules18089334>.
- Silva Gündel, *et al.*, 2018, Basil Oil-Nanoemulsions: Development, Cytotoxicity and Evaluation of Antioxidant and Antimicrobial Potential, *Journal of Drug Delivery Science and Technology* 46 : 378–83, <https://doi.org/10.1016/j.jddst.2018.05.038>.
- Susanto, Like Rosita Dwi, Archadian Nuryanti, dan Ivan Arie Wahyudi, 2013, Efek Minyak Atsiri Daun Kemangi (*Ocimum Basilicum* L.) Sebagai Agen Penghambat Pembentukan Biofilm *Streptococcus Mutans*, *IDJ*, no. 1 : 7.
- Siswandono, S., 1995, Prinsip-Prinsip Rancangan Obat, Universitas Airlangga, Surabaya, 249-251.
- Warsa, U. C., 1993, *Kokus Positif Gram*, Buku Ajar Mikrobiologi Kedokteran, Edisi Revisi, Binarupa Aksara, Jakarta.
- Willey, J.M., Sherwood, L.M., & Woolverton, C.J., 2008, Prescott's Principles Of Microbiology, *Boston: McGraw-Hill Higher Education*.
- Yadav, N.P., Meher, J.G., Neelam, P., Suaib, L., Yadav, S., dan Chanda, D., 2013, Enrichment, Development, and Assessment of Indian Basil Oil Based Antiseptic Cream Formulation Utilizing Hydrophilic-Lipophilic Balance Approach, *BioMed Research International* : 1–9, .
- Yamlean, P.V.Y., Bodhi, W., 2017, Formulasi dan Uji Antibakteri Sediaan Sabun Cair Ekstrak Minyak Atsiri Kemangi (*Ocimum basilicum* L.) Terhadap Bakteri *Staphylococcus aureus*, *Jurnal Ilmiah Farmasi*, Vol. 6, No. 1.



- Yosephine,A.D., Wulanjati, M.P., Saifullah,T.N., Astuti,P., 2013, Mouthwash Formulation Of Basil Oil (*Ocimum Basilicum* L.) And In Vitro Antibacterial And Antibiofilm Activities Against *Streptococcus Mutans*, *Trad.Med.J.*, Vol.18(2), p 95-102.
- Yuliani, Sri., Satuhu, Suyanti, 2012, *Panduan Lengkap Minyak Atsiri*, Penebar Swadaya, Bogor.
- Zarlaha, A., Kourkoumelis, N., Stanojkovic, T.P., Kovala-Demertzi, D., 2014, Cytotoxic activity of essential oil and extracts of ocimumbasilicum against human carcinoma cells. Molecular docking study of isoeugenol as a potent cox and lox inhibitor, *Digest Journal of Nanomaterials and Biostructures*, 9(3): 907-917.
- Zulkarnain, Iskandar, dan Siska Natsir, 2016, Formulasi dan Uji Efektivitas Gel dan Salep Minyak Kemangi (*Ocimum basilicum* Linn) Terhadap Bakteri *Staphylococcus aureus*, *As-Syifaa*, Vol. 08(01) : Hal. 18-30.