

## DAFTAR PUSTAKA

- Bailey and Scott's.1994. Diagnostic Microbiology 9th Edition. London: Mosby.
- Barnhizer, M. 2014. *Klebsiella pneumoniae*. (Online) ([http://nanologix.com/bacteria/klebsiella\\_pneumoniae.html](http://nanologix.com/bacteria/klebsiella_pneumoniae.html), diakses pada tanggal 12 Desember 2014)
- Baron, E.J., Peterson L.R., Finegold S.M. 1994. Methods for Testing Antimicrobial Effectiveness. In Bailey and Scott's Diagnostic Microbiology, 9th ed. P.166-167. St. Louis: Mosby-Year Book, Inc. New York.
- Bartlett, J.G. 2008. Overview of Pneumonia. (Online) ([http://www.merckmanuals.com/home/lung\\_and\\_airway\\_disorders/pneumonia/overview\\_of\\_pneumonia.html?qt=&sc=&alt=](http://www.merckmanuals.com/home/lung_and_airway_disorders/pneumonia/overview_of_pneumonia.html?qt=&sc=&alt=), diakses pada tanggal 28 Desember 2014)
- BBC. 2013. What is Pneumonia and Why Can It Be So Deadly. (Online) (<http://www.bbc.co.uk/science/0/21969416>, diakses pada tanggal 12 Desember 2014)
- Bezkorovainy, A. 1980. Microbial Iron Uptake and The Antimicrobial Properties of The Transferrin. Biochemistry of Nonheme Iron (Bezkorovainy A, eds), pp. 305–342. New York: Plenum Press.
- Bharathi, T., Kolanjinathan, K., Saranraj, P. Antimicrobial Activity of Solvent Extracts of *Ocimum sanctum*, *Azadirachta Indica* and *Phyllanthus amarus* Against Clinical Pathogens. *Global Journal of Pharmacology*. 2014. 8(3): 294-305.
- Bhargava, K.P., Singh, N. Antistress Activity of *Ocimum sanctum* Linn. *Indian Journal of Medical Research*. 1981. 73: 443-444.
- Broadhurst, C.L., Duke, J.A. 1997. Oil of Cloves: The Benefits of Eugenol. (Online) (<http://www.motherearthliving.com/plant-profile/eugenol.aspx#axzz3NRGLDux>, diakses pada tanggal 31 Desember 2014)
- Cannas, A. 2014. Tannins: Fascinating But Sometimes Dangerous Molecules. (Online) (<http://www.ansci.cornell.edu/plants/toxicagents/tannin.html>, diakses pada tanggal 9 Januari 2015)
- Castaneira, R. 2011. Morphological and Physiological Identification of *Klebsiella pneumoniae* and *Salmonella typhimurium*. Florida: University of Florida College of Pharmacy.
- CDC. 2012. *Klebsiella pneumoniae* in Healthcare Settings. (Online) (<http://www.cdc.gov/HAI/organisms/klebsiella/klebsiella.html>, diakses pada tanggal 12 Desember 2014)



- Cheeke, P.R. 1998. Natural Toxicants in Feeds, Forages and Poisonous Plants. Upper Saddle River, Prentice-Hall, NJ.
- Cushnie, T.P., Lamb, A.J. Recent Advances in Understanding The Antibacterial Properties of Flavonoids. *International Journal of Antimicrobial Agents*. 2011. 38: 99–107.
- Davis, S.D., Iannetta, A., Wedgwood, R.J. Activity of Colistin Against *Pseudomonas aeruginosa*: Inhibition by Calcium. *Journal of Infectious Disease*. 1971. 124: 610-612.
- Delost, M.D. 2014. Introduction to Diagnostic Microbiology For the Laboratory Sciences. Hal 189. Jones and Bartlett Learning.
- Devi, K.P., Nisha, S.A., Sakthivel, R., Pandian, S.K. Eugenol (an essential oil of clove) Acts as an Antibacterial Agent Against *Salmonella typhi* by Disrupting The Cellular Membrane. *Journal of Ethnopharmacology*. 2010. 130(1):107-15.
- Divyang, P. 2009. Pharmacokinetics of Ceftriaxone in Skin Following Iontophoretic Administration in a Rabbit Model. Long Island University, The Brooklyn Center.
- Dorman, C.J., Corcoran, C.P. "Bacterial DNA Topology and Infectious Disease." *Nucleic Acids Research*. 2009. 37: 672-678.
- Dzen, S.M., Roekistiningsih, M., Santoso, S., Winarah, S. 2003. Bakteriologi Medik. Malang: Bayumedia Publishing.
- Elizabeth, H., McDonnell, J.S. 2014. Genome: *Klebsiella pneumoniae*. (Online) (<http://genome.wustl.edu/genomes/detail/klebsiella-pneumoniae/>, diakses 25 Desember 2014)
- Finegold, S.M., Baron, E.J. 1986. Bailey and Scott's: Diagnostic Microbiology. 7<sup>th</sup> edition. USA: C.V. Mosby Company
- Forbes, B.A., Sahm, D.F., & Weissfeld, A.S. 2002. Bailey and Scott's Diagnostic Microbiology (11th ed.). St. Louis, MO: Mosby.
- Friedman, M. Overview of Antibacterial, Antitoxin, Antiviral, and Antifungal Activities of Tea Flavonoids and Teas. *Mol Nutr Food Res*. 2007. 51: 116–34.
- Fujisawa, S. 2002. Toxicology. 177: 39-54. PMID: 12126794
- Glogowski, M. 2011. *Klebsiella pneumoniae*. (Online) ([https://microbewiki.kenyon.edu/index.php/Klebsiella\\_pneumoniae](https://microbewiki.kenyon.edu/index.php/Klebsiella_pneumoniae), diakses pada 22 Desember 2014)
- Godhwani, S., Godhwani, J.L., Vyas, D.S. Ocimum sanctum-a Preliminary Study Evaluating Its Immunoregulatory Profile in Albino Rats. 1988. *Journal of Ethnopharmacology*. 24(2-3):193-198.
- Gonasoundari, A., Uma, D. P., Rao, B.S.S. *Mutat Res*. 1998. 97: 303.

- Gordon, N.C., Wareham, D.W. Antimicrobial Activity of The Green Tea Polyphenol (-)-epigallocatechin-3-gallate (EGCG) Against Clinical Isolates of *Stenotrophomonas maltophilia*. *International Journal of Antimicrobial Agents*. 2010. 36: 129–31.
- Greenwood, D., Slack, R.C.B., Peutherer, J.F. 2002. Medical Microbiology: A Guide to Microbial Infections: Pathogenesis, Immunity, Laboratory Diagnosis and Control (16th ed.). Toronto, ON: Churchill Livingstone.
- Heyne, K. 1987. Tumbuh-Tumbuhan Berguna Indonesia III. Jakarta: Badan Penelitian dan Pengembangan Kehutanan. Departemen Kehutanan RI.
- Hostettmann, K., Hostettman, M., Marston, A. 1991. Saponins. Pages 433-471 in Methods in Plant Biochemistry. B.V. Charlwood, and D. V. Banthorpe, eds. Acad. Press, London, UK.
- Hostettmann, K. and Marston, A., 1995. Chemistry and Pharmacology of Natural Products Saponin. Cambridge University Press, New York.
- Imam, T.S., Usman, A.M., Dutsinma, U.A. Incidence of Secondary Klebsiella pneumoniae Infections Associated with Tuberculosis Patients Attending Aminu Kano Teaching Hospital, Nigeria. *International Journal of Biomedical and Health Sciences*. 2012. 8:1.
- Janda, J.M., Abbott, S.L. 2006. The Genera Klebsiella and Raoultella. The Enterobacteria (2nd ed., pp. 115-129). Washington, USA: ASM Press.
- Jawetz, E. 1996. Mikrobiologi Kedokteran Edisi 20. EGC. Jakarta. Hal 238-240. Buku Kedokteran. Terjemahan dari: Review of Medical Microbiology.
- Karthikeyan, K., Ravichadran, P., Govindasamy, S. Oral Oncology. 1999. 35(1): 112-119.
- Kathiresan, K., Guanasekan, P., Rammurthy, N., Govindswami, S. Anticancer Pharmaceutical Biology. 1999. 37(4): 285-290.
- Kelm, M.A., Nuir, M.G., Strasburg, G.M., Dewitt, D.L. Phytomedicine. 2000. 7: 7-13.
- Khoddami, A., Wilkes, M.A., Roberts, T.H. Techniques for Analysis of Plant Phenolic Compounds. *Journal of Molecules*. 2013. 18: 2328-2375.
- Kumar, S. 2012. Textbook of Microbiology. Hal 358. Jaypee Brothers Medical Publishers (LP) Ltd.
- Lambert, R.J.W. A Study of The Minimum Inhibitory Concentration and Mode of Action of Oregano Essential Oil, Thymol and Carvacrol. *Journal of applied microbiology*. 2001. 91 (3), 453-462
- Leboffe, M.J., Burton, E.P. 2010. Microbiology: Laboratory Theory & Applications.Third edition. Englewood, Colorado: Morton Publishing.
- Levan, A., Jacob, D. 2005. Gram Stain: Gram-Negative Rods. University of Maryland, College Park, MD

- Levison, M.E. 2008. Klebsiella, Enterobacter, and Serratia Infections. (Online) ([http://www.merckmanuals.com/home/infections/bacterial\\_infections/klebsiella\\_enterobacter\\_and\\_serratia\\_infections.html?qt=&sc=&alt=](http://www.merckmanuals.com/home/infections/bacterial_infections/klebsiella_enterobacter_and_serratia_infections.html?qt=&sc=&alt=), diakses 28 Desember 2014)
- Lewin, R. How Microorganisms Transport Iron. 1984. *Science* 225: 401–402.
- Loekito, H.H. 1998. Rancangan Percobaan. Malang: IKIP.
- Lu, M.F., Xiao, Z.T., Zhang, H.Y. Where Do Health Benefits of Flavonoids Come from? Insights from Flavonoid Targets and Their Evolutionary History. *Biochem Biophys Res Commun.* 2013. 434: 701–4.
- Madhuri, S., Pandey, G. *Biomed.* 2010. 5(1): 57-62.
- Mahato, S.B., Sudip, S.K., Poddar, G. 1988. Review Article Number 38: Triterpenoid Saponins. *Phytochem.* 27:3037-3067.
- Marier, R.M., Pepper, I.L., Gerba , C.P. 2009. Environmental microbiology second edition. Elsevier
- Mathew, S. An Evaluation of The Antimicrobial Activity of Various Concentrations of *Ocimum sanctum* Against Various Species of Bacteria: an In vitro Study. *International Journal of Advances in Applied Sciences (IJAAS)*. 2014. pp. 33-36.
- Mishra, P., Mishra, S. 2011. Study of Antibacterial Activity of *Ocimum sanctum* Extract Against Gram Positive and Gram Negative Bacteria. *American Journal of Food Technology*, 6: 336-341.
- Mitchell, P., Moyle, J. "Chemiosmotic Hypothesis of Oxidative Phosphorylation". 1967. *Nature* 213 (5072): 137–9.
- Monache, D.G., Botta, B., Vinciguerra, V., Mello, J.F. Antimicrobial Isoflavanones from *Desmodium canum*. 1996. *Phytochemistry*, 41: 537-544.
- Mukund, S., Sivasubramanian, V., Kumar, N.S.S. Determination of The Flavonoids from *Oscillatoria terebriformis* and *Chroococcus turgidus* Extract by High Performance Liquid Chromatography. 2013, 4 (4): 60 – 66
- Naidu, A.S. 2000. Natural Food Antimicrobial System. Hal 301-301. CRC Press LLC
- Nair, A.G.R., Gunasegaran, R., Joshi, B.S. *Indian Journal of Chemistry*. 1982. 21B: 979.
- Neu, H.C., Gootz, T.D. 1996. Antimicrobial Chemotherapy. Baron S, editor. Galveston (TX): University of Texas Medical Branch at Galveston
- Newman, H. 2014. Klebsiella pneumoniae Basic Characteristics. (Online) (<http://www.microbiologyinpictures.com/klebsiella%20pneumoniae.html>, diakses 22 Desember 2014)

- Oleszek, W., Jurzysta, M. 1992. New Saponins from Alfalfa Tops. Pages 315-316 in The Structure and Biological Activity, Proc. X Int. Conf. EUCARPIA *Medicago* spp. Group.
- Otsuka, N., Liu, M.H., Shiota, S., Ogawa, W., Kuroda, T., Hatano, T., Tsuchiya, T. Anti-methicillin resistant *Staphylococcus aureus* (MRSA) Compounds Isolated from *Laurus nobilis*. *Biol Pharm Bull.* 2008. 31: 1794-7.
- Oxoid, 2013. Microbact Biochemical Identification Kits. (Online) ([http://www.oxoid.com/UK/blue/prod\\_detail/prod\\_detail.asp?pr=MB1130](http://www.oxoid.com/UK/blue/prod_detail/prod_detail.asp?pr=MB1130), diakses pada tanggal 15 Januari 2015)
- Parkison, V. 2014. Exposure Response Plan for The Laboratory Handling of *Klebsiella pneumoniae*. (Online) (<http://viceprovost.tufts.edu/ibc/exposure-response-plans/klebsiella-pneumoniae/#>, diakses pada tanggal 12 Desember 2014)
- Pattanayak, P., Behera, P., Das, B., Panda, S.K. *Ocimum sanctum* Linn. A Reservoir Plant for Therapeutic Applications: An Overview. 2010. 4(7): 95-105.
- Podschun, R., Ullmann, U. *Klebsiella* spp. as Nosocomial Pathogens: Epidemiology, Taxonomy, Typing Methods, and Pathogenicity Factors. 1998. 11(4): 589-603.
- Podschun, R., Pietsch, S., Holler, C., Ullmann, U. Incidence of *Klebsiella* species in Surface Waters and Their Expression of Virulence Factors. 2001. *Applied and Environmental Microbiology*, 67(7):3325-3327.
- Prashar, R., Kumar, A., Hewer, A., Cole, K.J., Davis, W., Phillips, D.H. Cancer Letters. 1998. 128(2): 155-160.
- Price, K.R., Johnson, I.T., Fenwick, G.R. 1987. The Chemistry and Biological Significance of Saponins in Foods and Feedstuffs. *CRC Crit. Rev. Food Sci. Nutr.* 26:27-135.
- Qureshi, S. 2015. *Klebsiella* Infection. College of Physicians and Surgeons of Ontario, Ontario Medical Association.
- Rathnayaka, R.M.U.S.K. Antibacterial Activity of *Ocimum Sanctum* Extracts Against Four Food-Borne Microbial Pathogens. *Scholars Journal of Applied Medical Sciences (SJAMS)*. 2013. 1(6): 774-777.
- Rayment, W.J. 2014. Eugenol. (Online) (<http://www.indepthinfo.com/nutrition/eugenol.htm>, diakses pada tanggal 31 Desember 2014)
- Saharkhiz, M.J., Kamyab, A.A., Kazerani, N.K., Zomorodian, K., Pakshir, K., Rahimi, M.J. Chemical Compositions and Antimicrobial Activities of *Ocimum sanctum* L. Essential Oils at Different Harvest Stages. *Jundishapur Journal of Microbiology*. 2014. 8(1): 13720.
- Sanchez, G.V., Master, R.N., Clark, R.B., Fyyaz, M., Duvvuri, P., Ekta, G., Bordon, J. 2013. *Klebsiella pneumoniae* Antimicrobial Drug Resistance,



- United States, 1998–2010. George Washington University, Washington, DC, USA
- Scalbert, A. 1991. Antimicrobial Properties of Tannins. (Online) (<http://www.sciencedirect.com/science/article/pii/003194229183426L>, diakses pada tanggal 9 Januari 2015)
- Si, W. Antimicrobial Activity of Essential Oils and Structurally Related Synthetic Food Additives Towards Selected Pathogenic and Beneficial Gut Bacteria. *Journal of applied microbiology*. 2006. 100 (2): 296-305.
- Simon, H. 2012. Urinary Tract Infection. (Online) (<http://umm.edu/health/medical/reports/articles/urinary-tract-infection>, diakses pada tanggal 28 Desember 2014)
- Singh, S., Rehan, H.M.S., Majumdar, D.K. *Journal of Ethnopharmacology*. 2001. 78: 139.
- Singh, E., Sharma, S., Dwivedi, J., Sharma, S. Diversified Potentials of *Ocimum sanctum* Linn (Tulsi): An Exhaustive Survey. 2012. 2 (1):39-48.
- Sood, S., Narang, D., Dinda, D.K., Maulik, S.K. *Journal of Pharmacology and Pharmacotherapeutics*. 2005. 57(1): 127-133.
- Sukumaran, K., Unnikrishnan, M.C., Kuttan, R. *Indian Journal of Physiology and Pharmacology*. 1994. 38: 306.
- Tan, H.T.W. 2005. Herbs and Spices of Thailand. Hal 79. Published by Times Edition-Marshall Cavendish
- Tanaka, O., Tamura, Y., Masuda, H., Mizutani, K. 1996. Application of Saponins In Foods and Cosmetics: Saponins of Mohave yucca and Sapindus mukurossi. Pages 1-11 in Saponins Used Food and Agriculture. G. R. Waller, and K. Yamasaki, eds. Plenum Press, NY.
- Todar, K. 2012. Antimicrobial Agents in The Treatment of Infectious Disease. Todar's Online Textbook of Bacteriology. "The Good, the Bad, and the Deadly". SCIENCE Magazine Vol 304: 1421 University of Wisconsin Department of Bacteriology 1550 Linden Drive Madison, Wisconsin
- Uma, D P., Gonasoundari, A. *Indian Journal of Experimental Biology*. 1995. 33: 205.
- Uma, D.P. *Indian Journal of Experimental Biology*. 2001. 39: 185-190.
- Vermillion, F. 2011. Symptoms of Klebsiella Bacteria. (Online) (<http://www.livestrong.com/article/179921-symptoms-of-klebsiella-bacteria/>, diakses pada tanggal 28 Desember 2014)
- Weast, R.C. 1979. Handbook of Chemistry and Physics. 60th ed. page: C-166. Boca Raton, Florida: CRC Press Inc.
- WHO. 2014. Pneumonia. (Online) (<http://www.who.int/mediacentre/factsheets/fs331/en/>, diakses 12 Desember 2014)

