

DAFTAR PUSTAKA

- Adonizio, A. L., Downum, K., Bennett, B. C. and Mathee, K. 2006. Anti-*Quorum sensing* activity of medicinal plants in southern Florida. J. Ethnopharmacol. 103: 427-435.
- Atkinson S, and Williams P. 2009. Quorum sensing and social networking in the microbial world. J Royal. Soc Interface. 6: 959-978.
- Bassler, B.L., Greenberg, E.P., and Steven, A.M. 1997. Cross-species induction of luminescence in the quorum sensing bacterium *Vibrio harveyi*. J. Bacteriol. 179: 4043-4045.
- Belseran, L., and Henky M. 2015. Pemanfaatan jahe (*Zingiber officinale* Rose) untuk memacu pertumbuhan ikan nila (*Oreochromis niloticus*). Jurnal Budidaya Perairan. 3(1): 43-50.
- Chen X., Schauder S., Potier N., Van Dorsselaer A., and Pelczar I. 2002. Structural identification of a bacterial quorum sensing signal containing boron.. Nature. 415: 545-549.
- Costerton, JW., and Stewart PS. 2001. Battling biofilm. Scientific American. 61-67.
- De Kievit, T.R., and Iglewski, B.H. 2000. Bacterial quorum sensing in pathogenic relationships. Infect Immun. 68: 4839-49.
- De Windt W, Boon N, Siciliano SD, and Verstraete W. 2003. Cell density related H-2 consumption in relation to anoxic Fe(0) corrosion and precipitation of corrosion products by *Shewanella oneidensis* MR-1. Environ. Microbiol.. 5: 1192-1202.
- Defoirdt T., Boon N., Sorgeloos P., Verstraete W., and Bossier P. 2008. Quorum sensing and quorum quenching in *Vibrio harveyi*: lessons learned from *in vivo* work. The ISME Journal. 2: 19-26.
- Darwis, W., Dewi C., Choirul M., Rochmah S. 2013. Uji efektivitas ekstrak rimpang lengkuas merah (*Alpinia purpurata* k. Schum) sebagai antibakteri *Escherichia coli* penyebab diare. Konservasi Hayati. 9: 7-12.
- Donabedian H. 2003. Quorum sensing and its relevance to infectious diseases. J. Infect. 46: 207-214.
- Donlan, R. M, Costerton J. W. 2002. Biofilm: survival mekanism of clinically relevant microorganism. Clin Microbial Rev. 15: 167-193.
- Duke, J.A., M.J. Bogenschutz-Godwin, J. Du Cellier and P. A. K. Duke. 2002. Handbook of medicinal herbs second edition. CRC Press, Florida.

- Estela C.R.L, Alejandro P.R. 2012. Biofilms: a survival and resistance mechanism of microorganisms. In: Pana M (ed) Antibiotic resistant bacteria: A continuous challenge in the new millennium. In Tech Europe, Rijekam. p 159–178.
- Fajeriati, N., and Andika. 2017. Uji aktivitas antibakteri ekstrak etanol rimpang kencur (*Kaempferia galanga* L.) Pada bakteri *Bacillus subtilis* dan *Escherichia coli*. Journal of Current Pharmaceutical Sciences. 1(1): 36-41.
- Fatmawati DA. 2008. Pola protein dan kandungan kurkuminoid rimpang temulawak (*Curcuma xanthorrhiza* Roxb). Fakultas Matematika dan Ilmu Pengetahuan Alam. Institut Pertanian Bogor. Skripsi.
- Fatmawati, D. W. A. 2011. Hubungan biofilm *Streptococcus mutans* terhadap resiko terjadinya karies gigi. Stomatognatik, 8(3): 127-130.
- Fennema, OR. 1996. Food chemistry third edition. Marcel Dekker, Inc., New York.
- Fu, Y.J., Zu, Y, Chen, L., and Wang, Z. 2007. Antimicrobial Activity of clove and rosemary essential oils alone and in combination. Phytotherres. 21: 989-999.
- Gholib, D. 2009. Daya hambat ekstrak kencur (*Kaempferia galanga*) terhadap *Trichophyton mentagrophytes* dan *Cryptococcus neoformans* jamur penyebab penyakit kurap pada kulit dan penyakit paru. Balai Besar Penelitian Veteriner Bul. Littro. 20 (1): 59-67.
- Handajani, Noor S., dan Tjahjadi P. 2008. Aktivitas ekstrak rimpang lengkuas (*Alpinia galanga*) terhadap pertumbuhan jamur *Aspergillus* spp. penghasil aflatoksin dan fusarium moniliforme. Biodiversitas. 9(3): 161-164.
- Hartati, S.Y., dan Balittro. 2013. Khasiat kunyit sebagai obat tradisional dan manfaat lainnya. Warta Penelitian dan Pengembangan Tanaman Industri. Jurnal Puslitbang Perkebunan. 19: 5-9.
- Heyne, K. 1987. Tanaman berguna Indonesia. Badan Litbang Kehutanan (Penerjemah). Yayasan Sarana Wana Jaya, Jakarta.
- Higgins, D.A., Pomianek, M.E., Kraml, C.M., Taylor, R.K., Semmelhack, M.F., Bassler, B.L. 2007. The major *Vibrio cholera* autoinducer and its role in virulence factor production. Nature .450: 883-886.
- Jayaprakasha G.K, Rao L.J.M, and Sakariah K.K. 2002. Improved HPLC method for determination of curcumin, demethoxycurcumin, and bisdemethoxycurcumin. J. Agric. Food Chem. 50:3668-3672.
- Karmila, U., Sofyatuddin K., Cut Y. 2017. Ekstrak kunyit *Curcuma domestica* sebagai anti bakteri *Aeromonas hydrophila* pada ikan patin *Pangasius* sp.. Jurnal Ilmiah Mahasiswa Kelautan dan Perikanan Unsyiah. 2(1): 150-157.
- Keller, L., Michael G.S. 2006. Communication in bacteria: an ecological and evolutionary perspective. Microbial. 4: 24922-258.

- Larsen, M.H., Blackburn, N., Larsen, J.L., and Olsen, J.E. 2004. Influences of temperature salinity and starvation on the motility and chemotactic response of *Vibrio anguillarum*. Microbiol. 150: 1283-1290.
- Lely, N., Fathia N., dan Masayu A. 2017. Aktivitas antibakteri minyak atsiri rimpang lengkuas merah (*Alpinia purpurata* K. Schum) terhadap bakteri penyebab diare. Scientia. 7(1): 42-48.
- Li, Y. H., Lau, P. C., Lee, J. H., Ellen, R. P., & Cvitkovitch, D. G. 2001. Natural genetic transformation of *Streptococcus* mutans growing in biofilms. Journal of bacteriology. 183(3): 897-908.
- Madigan, M. T., Clark, D. P., Stahl, D., & Martinko, J. M. 2015. Brock Biology of Microorganisms 14th edition. Benjamin Cummings.
- Miller, M. B., and Bassler B. L. 2001. Quorum sensing in bacteria. Annu Rev Microbiol. 55:165-199.
- Musa, N., Lee S.W., and Wendy W. 2008. Phenotypic and genotypic characteristics of *Vibrio harveyi* isolated from black tiger shrimp (*Penaeus monodon*). World Applied Sciences Journal. 3(6): 885-902.
- Nugraha, A. 2013. Bioaktivitas Ekstrak Daun Kelor (*Moringa oleifera*) terhadap *Eschericia coli* penyebab Kolibasilosis pada Babi. Fakultas Kedokteran Hewan. Universitas Udayana. Thesis.
- Paimin, FB dan Murhananto. 2002. Budidaya, Pengolahan dan Perdagangan Jahe. Penebar Swadaya, Jakarta.
- Prana, MS. 2008. The biologi of temulawak (*Curcuma xanthorrhiza* Roxb.). Biopharmaca Research Center Bogor Agricultural University. Hal. 151-156.
- Rahmanto, S. P., Sarjito, and Diana C. 2014. Karakterisasi dan uji postulat koch bakteri genus vibrio yang berasal dari media kultur massal mikroalga. Journal of Aquaculture Management and Technology. 3(4): 230-237.
- Rasmussen T.B, Bjarnsholt T, Skindersoe M.E, Hentzer M, Kristoffersen P, Kote M. Nielse J, Eberl L, and Givskov M. 2005. Screening for quorum sensing inhibitors (QSI) by use of a novel genetic system, the QSI selector. Journal Bacteriol. 187: 1799-1814.
- Sari, R. R. B., Sarjito, and Alfabetian H. C. H. 2015. Pengaruh penambahan serbuk daun binahong (*Anredera cordifolia*) dalam pakan terhadap kelulushidupan dan histopatologi hepatopankreas udang vaname (*Litopenaeus vannamei*) yang diinfeksi bakteri *Vibrio harveyi*. Journal of Aquaculture Management and Technology. 4(1): 26-32.
- Soowannayan, C., Sasithorn B. , Sukanya P., Thitima A., Pattanan Y., Wing-Keong Ng., Siripong T., Patoomratana T., Bamroong M., Napason C., Bunlung N., Molruedee S., Boonsirm W.. 2019. Ginger and its component shogaol inhibit

Vibrio biofilm formation in vitro and orally protect shrimp against acute hepatopancreatic necrosis disease (AHPND). *Aquaculture* 504: 139–147.

- Srinivasan, R., Sivasubramanian S., and Arumugam V.R. 2017. In vitro antibiofilm efficacy of Piper betle against quorum sensing mediated biofilm formation of luminescent *Vibrio harveyi*. *Microbial Pathogenesis* 110: 232-239.
- Stalin, N., and Poppu S. 2016. Characterization of *Vibrio parahaemolyticus* and its specific phage from shrimp pond in Palk Strait, South East coast of India. *Biological*: 1-8.
- Stepanovic S, Vukovic D, and Dakic I. 2000. A modified microtiter-plate test for quantification of staphylococcal biofilm formation. *Journal Microbiol Methods*. 40(2): 175-9.
- Sylvester, W. S., Son, R., Liew, K. F. and Rukayadi, Y. 2015. Antibacterial activity of Java turmeric (*Curcuma xanthorrhiza* Roxb.) extract against *Klebsiella pneumoniae* isolated from several vegetables. *International Food Research Journal*. 22(5): 1770-1776.
- Taga dan Bassler, 2003. Dietary phytochemicals as *Quorum sensing* inhibitors. *Fitoterapia* 78: 302-310.
- Townsley, L., and Fitnat. H. Y. 2016. Temperature affects c-di-GMP signaling and biofilm formation in *Vibrio cholerae*. *Environ microbial*. 17(11): 1-32.
- Triyitno. 2018. Aktivitas *anti-quorum sensing* dari ekstrak rimpang tanaman obat terhadap pembentukan biofilm bakteri patogen ikan.
- Vikram, A., G.K. Jayaprakasha, P.R. Jesudhasan, S.D. Pillai, dan B.S. Patil. 2010. Suppression of bacterial cell-cell signalling, biofilm formation and type III secretion system by citrus flavonoids. *Journal of Applied Microbiology*. 109: 515-527.
- Wahyudi A. 2006. Pengaruh penambahan kurkumin dari rimpang temugiring pada aktifitas antioksidan asam askorbat dengan metode FTC. *Akta Kimindo*. 2 (1): 37-40.
- Wijayakusuma M. 2007. Penyembuhan dengan temulawak. Sarana Pustaka Prima, Jakarta.
- Winarti, C., and Nurdjanah, N. 2005. Peluang tanaman rempah dan obat sebagai sumber pangan fungsional. *Jurnal Litbang Pertanian*. 24(2) : 47-55.
- Winarto, I.W. 2004. Khasiat dan manfaat kunyit. Agro Media Pustaka, Jakarta.
- Winarto, W.P. 2007. Tanaman obat indonesia untuk pengobatan herbal. Karyasari Herba Media: 157-160.

Wiyoto, dan Julie E. 2010. Kuorum sensing bakteri dan peran alga dalam pengendalian penyakit bakterial dalam akuakultur. *Jurnal Akuakultur Indonesia*. 9 (2): 110-118.