

DAFTAR PUSTAKA

- Achmadi UF, Sudjana P, dan Sukowati S. 2010. *Demam berdarah dengue*. Buletin Jendela Epidemiologi. 2(1):20–26.
- Alimuddin, Widada J, Asmara W, and Mustofa. 2011. Antifungal Production of a Strain Actinomycetes sp. Isolated from the Rhizosphere of Cajuput Plant : Selection and Detection of Exhibiting Activity Against Tested Fungi. *I J Biotech* 16(1):1-10.
- Alimuddin. 2012. *Actinobacteria Penghasil Antifungi Asal Rizosfer Tegakan Kayu Putih Hutan Wanagama I Yogyakarta: Isolasi, Optimasi dan Karakterisasi Actinobacteria serta Isolasi Senyawa Antifungi*. [Disertasi]. Yogyakarta: Universitas Gadjah Mada.
- Ambarwati dan Gama AT. 2009. Isolasi aktinomisetes dari tanah sawah sebagai penghasil antibiotik. *J Penel Sains Teknol*. 10 (2): 101-111.
- Ara I, Bukhari NA, Aref NM, Shinwari MMA, and Bakir MA. Antiviral activities of Streptomyces against Tobacco Mozaik Virus(TMV) in Datura plant : Evaluation of different organic compounds in their metabolites. *Afr J Biotechnol* 11(8): 2130-2138.
- Berdy. J. 2005. *Bioactive microbial metabolites: a personal view*. *Journal of Antibiotics*. 58. (1): 1–26.
- Blacksell SD, Bell D, Kelley J, Mammen MP, Robert J, James Kelley, Mammen Jr., Robert V. Gibbons, Richard G. Jarman, David W. Vaughn , Kemajitra Jenjaroen, Ananda Nisalak, Soulignasack Thongpaseuth, Manivanh Vongsouvath, Viengmone Davong, Phonelavanh Phouminh, Rattanaphone Phetsouvanh, Nicholas P. J. Day, and Paul N. Newton. 2007. Prospective Study to Determine Accuracy of Rapid Serologic Assay fo Diagnosis of Acute Dengue Virus in Laos. *Clinical and Vaccine Immunology*. 14:1458-1464.
- Candra A. 2010. Demam berdarah dengue: epidemiologi, patogenesis, dan faktor risiko penularan. *Aspirator*. 2(2):110–119.
- Cross, T. 1982. Actinomycetes : A Continuing Source of New Metabolites. Di dalam Lancini G, Rolando L. 1993. *Biotechnology of Antibiotic and Other Bioactive Microbial Metabolites*. New York: Kluwer Academic Publisher Group.
- Dadan Supardan. 2013. *Potensi Antivirus Metabolit Sekunder Aktinomisetes Terhadap Virus Dengue Serotipe 3*. Tesis. Program Studi Bioteknologi, UGM. Yogyakarta.

- Debananda, Ningthoujam S, Sanasam S, and Nimaichand S. 2009. Screening of actinomycete isolates from niche habitats in manipur for antibiotic activity. *Am J Biochem Biotechnol.* 5 (4): 221-225.
- Dimas Fandi Praditya., 2014. *Potensi Aktivitas Antiviral Ekstrak Etil Asetat Dan Ekstrak Air Metabolit Sekunder Aktinomisetes Terhadap Virus Dengue Serotipe-2 (Denv-2)*. Tesis. Program Studi Bioteknologi, UGM. Yogyakarta.
- Dwiarso Rubiyanto. 2006. *Dasar-Dasar Pemisahan, Kromatografi Kertas, romatografi Kolom dan Kromatografi Lapis Tipis*. Yogyakarta: FMIPA UII.
- Elberson MA, Malekzadeh F, Yazdi MT, Kameranpour N, Noori-Dalooi MR, Matte MH, Shahamat M, Colwell RR, and Sowers KR. 2000. *Cellulomonas persica* sp. and *Cellulomonas iranensis* sp., mesophilic cellulose-degrading bacteria isolated from forest soil. *Int Jon Systematic Evol Microbiol.* 50: 993-996.
- Elfita, L, S Ratnakomala, H Suryadi, P Lisdiyanti, dan A Utama. 2009. Purifikasi Inhibitor ATPase/RNA Helikase Virus Japanese Encephalitis dari *Streptomyces chartreusis*. *Majalah Ilmu Kefarmasian* 6(2):88-96.
- Erik A. Henchal, and Robert Putnak, 1990. The Dengue Viruses. *Clinical Microbiology Reviews.* 3(4) : 376-396.
- Farida Y, Widada J, and Meiyanto E. 2007. Combination Methods for Screening Marine Actinomycetes Producing Potential Compounds as Anticancer. *I J Biotech* 12(2): 988-997.
- Fathi, Keman S and Wahyuni CU.2005. Peran faktor lingkungan dan perilakuterhadap penularan demam berdarah dengue di Kota Mataram. *Jurnal Kesehatan Lingkungan.* 2(3):10-7.
- Gerald K. 1999. *Cell and Molekular biology, concept, and experiments, 2 nd ed*, John Wiley & Sons, Inc., New York.
- Hamdali H, Bouizgarne B, Hafidi M, Lebrihi A, Virolle MJ, and Ouhdouch Y. 2008. Screening for rock phosphate solubilizing actinomycetes from moroccan phosphate mines. *App Soil Ecol.* 38 : 12-19.
- Harris, E, TG Roberts, L Smith, J Selle, LD Kramer, S Valle, E Sandoval, and A Balmaseda. 1998. Typing of Dengue Viruses in Clinical Specimens and Mosquitoes by Single-Tube Multiplex RT-PCR. *J. Clin. Microbiol.* 36:2634-2639.
- Hayakawa M. 2003. *Selective Isolation of rare Actinomycete genera using pretreatment Techniques*. Ipek Kurtboke, Editor. Quensland (AU): University of The sunshine Coast, Faculty of science.

- Ibarz, A and Canovas, G. 2003. Unit Operation in Food Engineering, CRC Press:737.
- Imaniar, N.I. 2013. *Aktivitas Antivirus Metabolit Sekunder Aktinomisetes Laut dan Tanah terhadap Virus Dengue Serotipe 1*, Thesis : Universitas Gadjah Mada. Yogyakarta.
- Jawets E., Melnick J.L, Adelberg., Brooks GF., Butel JS., and Ornston LN.1995. Medical Microbiology. Appleton & Lange Norwalk, Connecticut. 443-444.
- Lambeth, C. R., White, L. J., Johnston, R. E., and Silva, A. M. D., 2005. Flow Cytometry-Based Assay for Titration of Dengue Virus, *Journal of Clinical Microbiology*, 7:3267-3272.
- Lestari Y. 2006. Identification of indigenous *Streptomyces* spp. Producing antibacterial compounds. *J Mikrobiol Indones* 11(2): 99-10.
- Lipsy P. 2010. Thin Layer Chromatography Characterization of the Active Ingredients in Excedrin and Anacin. USA: Department of Chemistry and Chemical Biology, Stevens Institute of Technology.
- Lo CW, lai NS, Cheah HY, and Wong NKI, Ho CC. 2002. *Aktinomisetes* isolated from soil samples from the crocker range Sabah *dalam* ASEAN review of biodiversity and environmental conservation (ARBEC) July-September 2002.
- Mackenzie J. S., Gubler D. J., and Petersen L. R., 2004. Emerging flaviviruses: the spread and resurgence of Japanese encephalitis, West Nile and dengue viruses. *Nature Med.* 10:98-109.
- Mahy, BWJ and HO Kangro. 1996. *Virology Methods Manual*. San Diego: Academic Press.
- Miyadoh S and Otoguro M. 2004. *Workshop on Isolation Methods and Classification of Actinomycetes*. Bogor (ID): Biotechnology Centre, LIPI.
- Miyadoh S. 2003. *Prosedur karakterisasi dan Identifikasi Aktinomisetes*. Puspita L, penerjemah. Di dalam: Training Course on identification of bacteria. Bogor, 1-5 April 2003. Bogor (ID): Pusat Penelitian Bioteknologi, LIPI.
- Moghannem, SAM, and KSE Abd-elwahab. 2013. In vitro Evaluation of Actinomycete Crude Extracts collected from Nile Delta (Egypt) for Antiviral Activity. *Am. J. Pharm Tech Res* 3(2):355-369.
- Morens, D.M., Haslstead, S.H., Replik P.M., Putvanta R., and Raybourne, 1985, Simplified plaque reduction neutralization assay for dengue viruses by semimicro method in BHK-21 cell; Comparison of the BHK-21

suspension test with standard plaque reduction neutralization, *Journal of Clinical Microbiology*, 22(2): 250-254.

Mosmann, T. (1983) Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays. *J. Immunol. Methods* 65, 55-63.

Motomasa, K. 1998 Search for Biologically Active Substances from Marine Sponges. *In: Prosiding Seminar Bioteknologi I* (R. R. eds.), Puslit Oseanologi LIPI, Jakarta.

Ncube, N.S., Afolayan, A.J., and Okoh, A.I. 2008. *Assessment techniques of antimicrobial properties of natural compounds of plant origin: Current methods and future trends. African Journal of Biotechnology* 7(12): 1797-1806.

Nonomura H and Ohara Y. 1971. Distribution of soil actinomycetes. IX. New species of the genera *Microbispora* and *Microtetraspora*, and their isolation method. *J Ferment Technol.* 49: 887-894.

Nurjasmii, R. 2008. *Keragaman aktinomisetes pada beberapa tipe tegakan hutan Wanagama I Yogyakarta dan potensinya sebagai penghasil senyawa antijamur* [Tesis]. Yogyakarta: Universitas Gadjah Mada.

Omura, S., Ikeda, H., Ishikawa, J., Hanamoto, A., Takahashi, C., Shinose, M., Takahashi, Y., Horikawa, H., Nakazawa, H., Osipov, K., Kikuchi, H., Shibai, T., Sakaki, Y., and Hattori, M. 2001. Genome sequence of an industrial microorganism *Streptomyces avermitilis*: deducing the ability of producing secondary metabolites. *Proc Natl Acad Sci.* 98: 12215-20.

Oskay, M, A. Üsme Tamer and Cem Azeri. 2004. *Antibacterial activity of some Actinomycetes isolated from farming soils of Turkey.* African Journal of Biotechnology Vol. 3 (9), pp. 441-446, September 2004. ISSN 1684-5315 © 2004 Academic Journals.

Pan American Health Organization (PAHO), 1999, Re-emergence of Dengue in the Americas, *Epidemiol. Bull.* 21 (4).

Pang, T., Hassan, H., and Ramalingam, S. 1988 *Demam Denggi dan Demam Denggi Berdarah*, Dewan Bahasa dan Pustaka Kementerian Pendidikan Malaysia.

Parvaiz M and Javaid N. 2013. Effect of medicinal plants on dengue. *Journal of Pharmacology.* 3(1):1-7.

Potts JA, Gibbons RV, Rothman AL, Srikiatkhanachorn A, Thomas SJ, Pra-on Supradish, Stephenie C. Lemon, Daniel H. Libraty, Sharone Green, and Siripen Kalayanaroj. 2010. *Prediction of Dengue Disease Severity among Pediatric Thai Patients Using Early Clinical Laboratory Indicators.* PLOS Tropical Disease. 4:1-7.

- Pramudhita VG. 2007. *Seleksi isolat aktinomisetes penghasil protein antibakteri* [skripsi]. Bogor (ID): Program Studi Biokimia-Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor.
- Purwantiningsih. 2003. *Uji Aktivitas Ekstrak Aseton Bekicot sebagai Penghambat Infeksi Virus Dengue secara Invitro*. Tesis. UGM, Yogyakarta.
- Rahman, M.A; Islam MZ and Ul Islam, AM. 2011. *Antibacterial Activities of Actinomycetese Isolates Collected from Soils of Rajshahi*, Bangladesh. SAGE-Hindawi Access to Research Biotechnology Research International Volume 2011, Article ID 857925, 6 pages doi:10.4061/2011/857925.
- Ravikumar, S, M Fredimoses and M Gnanadesigan. 2012. Anticancer property of sediment actinomycetes against MCF-7 and MDA-MB-231 cell lines. *Asian Pacific Journal of Tropical Biomedicine* 2(2):92-96.
- Rodenhuis-Zybert, IA, J Wilschut and JM Smit. 2010. Dengue virus life cycle: viral and host factors modulating infectivity. *Cellular and Molecular Life Sciences* 67:2773-2786.
- Sadek, P. C., 2002. *The HPLC Solvent Guide Second Edition*. John Wiley and Sons, Inc. New York
- Sekaran SD, Lan EC, and Subramaniam. 2008. *Comparison of Five Serological Diagnostic Assay for Detection of IgM and IgG Antibodies to Dengue Virus*. *African Journal of Microbiology*. 2:141-147.
- Sista Werdyani. 2015. *Aktivitas Antivirus Fraksi Ekstrak Etil Asetat Metabolit Sekunder Streptomyces sp. GMY01 Terhadap Virus Dengue Serotipe-1*. Tesis. Tesis. Program Studi Bioteknologi, UGM. Yogyakarta.
- Skoog DA, West DM, Holler FJ. 1996. *Fundamentals of Analytical Chemistry*. 7th edition. New York: Saunders College Publishing. Hal. 17-25.
- Smith AW and Schwartz. 2005. *Dengue in Travelers*. *NEJM*. 353:925-932.
- Snyder, C. R., J.J. Kirkland., and J.L. Glajach. 1997. *Practical HPLC Method Development*. Second Edition. New York: John Wiley dan Sons, Lnc. Pp 722-723.
- Solanki R, Khanna M, and Lal R. 2008. Bioactive compounds from marine actinomycetes. *Indian J Microbiol*. 48: 410 – 431.
- Sosovele, ME, B Bergmann, TJ Lyimo, KM Hosea, and BI Mueller. 2012. Antimalarial Activity of Marine Actinomycetes Isolated from Dar Es Salaam Mangrove Sediments. *International Journal of Research in Biological Sciences* 2(4):177-181.

- Suhendro, Nainggolan L, Chen K, and Pohan HT. In : Sudoyo AW, Setiyohadi B, Alwi I, KMS, and Setiati S (eds).2006. *Buku Ajar Ilmu Penyakit Dalam*. 4th ed. Jakarta : Pusat Penerbitan Departemen Ilmu Penyakit FKUI; p. 1709-1721. 5.
- Supratman Sukowati. Buletin Jendela Epidemiologi. 2010. *DBD di Indonesia 1968–2009*. Jakarta.
- Suroso, T., 1999, Epidemiological Situation of *Dengue* Haemorrhagic Fever and It's Control in Indonesia, *International Seminar on Dengue ever / Dengue Haemorrhagic Fever*, TDC Unair, Surabaya.
- Sutaryo. 1997. *Tinjauan Umum Demam Berdarah di Indonesia*. Seminar Recent Advaced Molecular Diagnostic. Bagian Ilmu Kesehatan Anak, Fakultas Kedokteran UGM. Yogyakarta.
- Taufik A, Yudhanto D, Wajdi F, dan Rohadi. 2007. *Peranan Kadar Hematokrit, Jumlah Trombosit dan Serologi IgG-IgM antiDHF dalam Memprediksi Terjadinya Syok pada Pasien Demam Berdarah Dengue (DBD) di Rumah Sakit Islam Siti Hajar Mataram*. J Penyakit Dalam. 8:105-111.
- Taufik A, Yudhanto D, dan Wajdi F, dan Rohadi. 2007. *Peranan Kadar Hematokrit, Jumlah Trombosit dan Serologi IgG-IgM antiDHF dalam Memprediksi Terjadinya Syok pada Pasien Demam Berdarah Dengue (DBD) di Rumah Sakit Islam Siti Hajar Mataram*. J Penyakit Dalam. 8:105-111.
- Thompson, E. B. 1985. *Drug Bioscreening*.America: Graceway Publishing Company, Inc. Pp. 40, 118.
- Tombe, AE. 2008. *Isolasi Senyawa Inhibitor RNA Helikase Virus Japanese Encephalitis dari Kultur Streptomyces achromogenes* [Tesis]. Jakarta: Universitas Indonesia.
- Vaughn, D.W., Sharone Green, Siripen Kalayanaroj, Bruce L. Innis, Suchitra Nimmannitya, Saroj Suntayakorn, Alan L. Rothman, Francis A. Ennis, and Ananda Nisalak. 1997 *Dengue in the early febrile phase : viremia and antibody response*. J Infect Dis; 176 (2) : 322 - 30.
- Voyles, B.A., 2002, *The Biology of Viruses*, 2nd 3d, McGraw-Hill Companies, Inc, New York.
- Wang, Y; ZS Zhang; JS Ruan; YM Wang; and SM Ali. 1999. Investigation of actinomycete diversity in the tropical rainforests of Singapore. *Journal of Industrial Microbiology & Biotechnology*. 23, 178–187.
- Widowati EW. 2010. *Senyawa Toksik Dalam Berbagai Macam Ekstrak Aktinomisetes GMY01 terhadap Sel Kanker Payudara T47D dan MCF7*. Tesis. Program Studi Bioteknologi, UGM. Yogyakarta.

- Wilder-Smith, A., Ooi., Eng-Eong., Vasudevan., Subhash G., and Duane., Update on dengue: Epidemiology, virus evolution, antiviral drugs, and vaccine development, *Journal of Current Infections Disease Reports*, 12:157-164.
- World Health Organization, 1985, Viral Haemorrhagic Fevers, Report of WHO Expert Comite, 721, 14-6, Geneva.
- World Health Organization. 2011. *Comprehensive Guidelines for Prevention and Control of Dengue and Dengue Haemorrhagic Fever*. 2nd Edition. World Health Organization, Geneva.
- Yasuhara, B.J., Yang, Y., Russel, B., Hank, T.R., and Yuanan, L., 2010, In Vitro Evaluation of Marine-Microorganism Extracts for Anti-Viral Activity, *Virology Journal*, 7:182
- Yong, Y. K., Thayan, R., Chong, H. T., Tan, T. C., and Sekaran, S. D., 2007, Rapid Detection and Serotyping of dengue virus by multiplex RT-PCR and real-time SYBR green RT-PCR, *Singapore Med J* 2007 ,48 (7) : 662.
- Zhao H, Kassama Y, Young M, Kell DB, and Goodacre R. 2004. Differentiation of *Micromonospora* Isolates from a Coastal Sediment in Wales on the Basis of Fourier Transform Infrared Spectroscopy, 16S rRNA Sequence Analysis, and the Amplified Fragment Length Polymorphism Technique. *Appl Environ Microbiol*. 70 (11): 6619-6627.
- Zhi XY, Li WJ, and Stackebrandt E. 2009. An update of the structure and 16S rRNA gene sequence-based definition of higher ranks of the class Actinobacteria, with the proposal of two new suborders and four new families and emended descriptions of the existing higher taxa. *Int J Syst Evol Microbiol*. 59:589–608.