

## DAFTAR PUSTAKA

- Adam, j. H. Dalman, D. H. Gopik, K. jalaludin, A. K. Omar, R. Hamid, H. A. 2004. Kajian Terhadap Struktur Komoditi Tumbuhan Periuk Kera di Hutan Pendidikan Alam, Universiti Kebangsaan Malaysia. Bangi, Selangor Darul Ehan. *Pertanika Jurnal. Trap. Agricultur, Sci.* 27(1):39-46.
- Adlassnig, W., M. Peroutka and T. Lendl. 2011. Traps of carnivorous pitcher plants as a habitat: composition of the fluid, biodiversity and mutualistic activities. *J. Annals of Botany.* 107; 181–194
- Amin dan Lekosono. 2001. Efektivitas Bakteri Asam Laktat dalam Menghambat Bakteri. *Airlangga.* Yogyakarta.
- Anggrayesti, W. 2016. Potensi Bakteri Alami Pencernaan Ikan Lele Sebagai Kandidat Probiotik untuk Produk Pakan Ikan. *First ManBioconte Seminar.* Padang.
- Aryani, D. 2013. Optimasi Pemberian NAA dan BAP Terhadap Pertumbuhan dan Perkembangan Tunas Mikro *Nepenthes* secara in vitro. *Skripsi.* Fakultas Pertanian dan Peternakan. Uin sultan Syarif Kasim Riau. 77 hal.
- Bambang, P. 2005. *Bahan Bacaan Kuliah: Dasar-dasar Mikrobiologi.* PS. IHPT. Faperta Unib.
- Buckle, K.A., Edwards, R.A., Fleet, G.H., and Wooton, M. 1987. *Ilmu Pangan.* Universitas Indonesia Press: Jakarta: 365
- Boundless. 2016. *Boundless Microbiology.* [www.boundless.com/microbiology/textbooksboundless-microbiology-textbook/culturing-microorganisms / 6 /cuting-bacter-63/viable-cell-counting-384-595/](http://www.boundless.com/microbiology/textbooksboundless-microbiology-textbook/culturing-microorganisms-6/cuting-bacter-63/viable-cell-counting-384-595/)
- Brooks, G.F., K. C. Carroll, J.S. Butel, S.A. Morse, T.A. Mietzner. 2013. *Jawetz, Melnick & Adelberg's Medical Microbiology 26<sup>th</sup> Edition.* McGraw-Hill Companies, New York
- Cappucino, J.G. and N. Sherman. 2005. *Microbiology a Laboratory Manual 7th Ed.* Pearson Education. Inc. *Publishing as Benjamin Cummings.* San Fransisco. CA
- Cheek, M. (2015). *Nepenthes* (Nepentaceae) of Halmahera, Indonesia. *Blumea: Journal of Plant Taxonomy and Plant Geography,* 59(3), 215-225
- Clarke C. 2001. *Nepenthes of Sumatra And Peninsular Malaysia,* 326. Natural History Publications, Kota Kinabalu, Sabah.
- D'rose, V.. T. K. Johny.. and S. Bhat. 2019. Comparative analysis of metagenomic DNA extraction methods from gut microbiota of zebrafish (*Danio rerio*) for downstream next-generation sequencing. *Journal of Applied Biology and Biotechnology.* 7 (1). 11-15
- Donderski W and M.S. Brzezinska. 2003. The Utilization of N-acetylglucosamine and Chitin as Sources of Carbon and Nitrogen by Planktonic and Benthic

- Bacteria in Lake Jeziorak Polish. *Journal of Enviromental Studies*. 2003; 12(6): 685-692
- Ellison, A. M and N. J. Gotelli. 2001. Evolutionary Ecology of Carnivorous Plants. *Trends in Ecology and Evolution*. 16 (11): 623 - 629
- Fardiaz, S. 1987. *Fisiologis Fermentasi*. Pusat Antar Universitas IPB. Bogor
- Fardiaz, S. 1989. *Mikrobiologi Pangan Penuntun Praktek Laboratorium*. Jurusan Teknologi Pangan dan Gizi, Fakultas Teknologi Pertanian, Institut Pertanian Bogor. Bogor.
- Fardiaz, S. 1993. Analisis Mikrobiologi Pangan. *Raja Grafindo Persada*. Jakarta.
- Fatoni, A. 2008. Pengaruh propolis Tak bersengat spp asal Bukittinggi terhadap beberapa bakteri usus halus sapi dan penelusuran komponen aktifnya [Tesis]. Program Pascasarjana Institut Pertanian Bogor, Bogor.
- Fitriani, D. 2016. Isolasi, seleksi, dan identifikasi bakteri kitinolitik pada cairan tanaman kantong semar (*Nepenthes* spp.) sebagai agen biokontrol. [skripsi]. Bogor (ID): Institut Pertanian Bogor
- Fraizer CK. 2000. The enduring controversies concerning the process of protein digestion in *Nepenthes* (Nepenthaceae). *Carnivor Plant Newslett* 29:56-61.
- Giusto B. D., V. Grosbois, E. Fargeas, D. J. Marshall and L. Gaume. 2008. Contribution of pitcher fragrance and fluid viscosity to high prey diversity in a *Nepenthes* carnivorous plant from Borneo. *Journal of Bioscience*, 33(1): 121-136
- Gomes, R.J., Maria, D.F.B., Morsyleide, D.F.R., Raul, J., Hernan, C.G and Wilma, A.S. 2018. Acetic Acid Bacteria in the Food Industry: Systematics, Characteristics And Application. *Food Tecnology and Biotechnology*. 56(2)
- Gooday, G.W. 1990. Physiology of Microbial Degredation of Chitin and Chitosan. *Biodegradation* 1:177-190
- Hanifa, Eka Widya. 2016. Jenis Serangga Yang Terdapat Pada Phytotelmata (*Nepenthes mirabilis* dan *Nepenthes ampullaria*) Di Hutan Pendidikan Dan Penelitian Biologi (HPPB) Universitas Andalas, Padang. *Jurnal Metamorfosa* IV (1): 1-7 (2017).
- Handayani T. 2017. Flower morphology, floral development and insect visitors to flowers of *Nepenthes mirabilis*. *Biodiversitas* 18 (4): 1624- 1631.
- Hansen, E. 2001. Where rocks sing, ants swim, and plants eat animals: finding members of the *Nepenthes* carnivorous plant family in Borneo. *Discovery*, 22(10): 60-68
- Handoyo F, Sitanggang M. 2006. *Petunjuk Praktis Perawatan Nepenthes*. PT Agromedia Pustaka: Depok.

- Hanjaya, S., Darjito, P. Danar. 2013. Pengaruh Ph dan Waktu Kontak pada Adsorpsi Cd (II) menggunakan Adsorben Kitin Terfosforilasi dari Limbah Cangkang Bekicot (*Achatina fulica*). *Kimia Student Journal*. 2(2):503-509.
- Hastuti, U.S., F.S.A. Nugraheni., dan P.M.A.Asna. 2017. Identifikasi dan penentuan indeks Hidrolisis Protein Bakteri Proteolitik dari Tanah Mangrove di Margomulyo, Balikpapan. *Proceeding Biology Education Conference*. Vol. 14 (1):265-270
- Haliza, W., Suhartono, M.T. 2012. *Karakteristik kitinase dari mikroba*. *Buletin Teknologi Pascapanen Pertanian*, 8(1)
- Herdyastuti, N., Raharjo, T.J., Mudasir., Matsjeh, S. 2009. Kitinase dan mikroorganisme kitinolitik : isolasi, karakterisasi dan manfaatnya. *Indonesian Journal of Chemistry*, 9(1), 37 – 47
- Hernawati. dan P. Akhriadi. 2005. *A Field Guide to The Nepenthes of Sumatra*. Pili-NGO.Bogor Utara
- Hoa, H. T., C. L. Wang, and C. H. Wang. 2015. The effects of different substrates on the growth, yield, and nutritional composition of two oyster mushrooms (*Pleurotus ostreatus* an *Pleurotus cystidiosus*). *Microbiology*, 43(4), 423-434
- Jamilah, I., A. Meryandini, I. Rusmana, A. Suswanto and N.R. Mubarik. 2009. Activity Proteolytic and Amyolytic Enzymes From *Bacillus* spp. Isolated From Shrimp Ponds. *Journal Microbiology Indonesia*. 3 (2) 67-71
- James dan P. Pietropaolo. 1996. *Carnivorous Plants of The World*. Timber Press, Inc. USA. 206p.
- Kasipah C. Sinta R dan Zeily N. 2013. Isolasi dan Karakterisasi Bakteri Penghasil Enzim Lipase Ekstraseluler dari Lumpur Aktif Instalasi Pengolahan Air Limbah Industri Tekstil. *Jurnal Ilmiah Arena Tekstil* 28(1):1–46. Kelompok Keahlian Biokimia FMIPA, ITB, Balai Besar Tekstil, Bandung.
- Kaban, J. 2009. *Modifikasi Kimia dari Kitosan dan Aplikasi Produk Yang Dihasilkan*. Universitas Sumatera Utara. Medan
- Kissinger, K., Zuhud, E.A., Darusman, L.K and Siregar, I.Z., 2015. Analisis fungsi *Nepenthes gracilis* Korth. Terhadap lingkungan hutan kerangas. *Jurnal Hutan Tropis*, 3(1), pp.61-66
- Kurata, S. 1976. *Nepenthes of Mount Kinabalu*. Sabah National Park Trusters. Sabah, Malaysia.
- Kurata K, T. Jaffre, and H. Setoguchi. 2008. Genetic diversity and geographical structure of the pitcher plant *Nepenthes vieillardii* in New Caledonia: a chloroplast DNA haplo-type analysis. *American Journal of Botany* . 95:1632–1644
- Levinson, W. 2008. *Review of Medical Microbiology and Immunology*. Detroit. Gale

- Lee, P.H., Han. F., Ting. C.L., Chen, Y.C., Chang. C.C., and Hsien. H.L. 2016. *Glycemic Control and the Risk of Tuberculosis: A Cohort Study*. PLoS Med 13(8): e1002072.
- Lily, V.G dan H.L Barnett. 1951. *Physiology of the Fungi*. Mc Graw Hill Book Company, Inc. New York
- Lynch, K.M., E.Zannini., S.Wilkinson., L.Danen., and E.K.Arendt. 2019. Physiology of Acetic Acid Bacteria and Their Role in Vinegar and Fermented Beverages. *Comprehensive Reviews in Food Science and Food Safety*. Vol 18(3): 587-625.
- Luttge U. 1971. Structure and function of plant glands. *Annu Rev Plant Physiol* 22:33-44. Di dalam: Lindquist JA. 1975. Bacteriological and ecological observation on the northern pitcher plant, *Sarracenia purpurea* [tesis]. Madison, WI; University of Wisconsin, Department of Bacteriology.
- Maal, K.B., and N.Shafiee. 2019. Isolation and Identification of a Novel Strain of *Actobacter Ghanensis* KBMNS-IAUF-6MF From Banana Fruit, Resistant to High Temperature and Ethanol Concentration. *Iranian Journal of Medical Microbiology*. Vol 13(4)
- Mahatmanti, F.W., W. Sugiyo dan W. Sunarto. 2010. Sintesis Kitosan dan Pemanfaatannya Sebagai Anti Mikrobial Ikan Segar. Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Semarang. Semarang
- Mansur M. 2006. *Nepenthes Kantong Semar Unik*. Jakarta: Penebar Swadaya.
- Mansur, M. 2007. *Keanekaragaman Jenis Nepenthes spp. (Kantong Semar) Dataran Rendah Di Kalimantan Tengah*. *Berita Biologi* 8: 335-341
- Mardhiana, 2012. Karakteristik dan Kemelimpahan *Nepenthes* di Habitat Miskin Unsur Hara. *Jurnal Lahan Suboptimal* 1: 50-56.
- Murthy, N and B. Bleakley 2012. Simplified Method of Preparing Colloidal Chitin Used For Screening of Chitinase- Producing Microorganisms. *The Internet Journal of Microbiology*. 2012 Volume 10 Number 2
- Nurmalinda A, Periadnadi, Nurmiati (2013) Isolasi dan karakterisasi parsial bakteri indigenous pemfermentasi dari buah durian (*Durio zibethinus* Murr.). *J Bio UA* 2:8–13. doi: 10.25077/jbioua.2.1.%25p.2013
- Osunkoya, O., S. D. Daud, B. Di-Giusto, F. L. Wimmer, and T.M. Holige. 2007. Construction costs and physico-chemical properties of the assimilatory organs of *Nepenthes* species in northern Borneo. *Annals of Botany*, 99: 895-906
- Periadnadi. 2005. Hubungan antara komposisi ragi tapai dan beberapa daerah di Sumatera Barat dengan tapai yang dihasilkan. "Regularly Scientific Seminar" *TPSDP Batch III*. FMIPA: Universitas Andalas
- Periadnadi dan Nurmiati. 2010. *Makroflora Indigenous pada Buah-Buahan Tropis*. Jurusan Biologi FMIPA UNAND. Padang (Unpublished).

- Periadinadi dan Nurmiati, dan M.K. Swandi. 2017. Potensi Bakteri Lokal dalam Mendegradasi Limbah Cair Kelapa Sawit. *Prosiding Semirata Bidang MIPA BKS-PTN Barat, Jambi*. 2641-2647
- Peterson C. N., S. Day, B.E. Wolfe, A. M. Ellison, R. Kolter and A. Pringle. 2008. A keystone predator controls bacterial diversity in the pitcher-plant (*Sarracenia purpurea*) microecosystem. *Environmental Microbiology* 10(9); 2257–2266.
- Pramiadi D. Evy Y dan Anna R. 2014. Isolasi dan Uji Aktivitas Enzim Lipase Termotabil dari Bakteri Termofilik Pasca Erupsi Merapi. *Journal Sains Dasar* 3(1):9-19. Jurusan Pendidikan Biologi, FMIPA, Universitas Negeri Yogyakarta
- Phillips A and A Lamb. 1996. *Pitcher Plants of Borneo*, 171. Natural History Publications (Borneo) Sdn. Bhd, Kota Kinabalu
- Pramiadi D. Evy Y dan Anna R. 2014. Isolasi dan Uji Aktivitas Enzim Lipase Termotabil dari Bakteri Termofilik Pasca Erupsi Merapi. *Journal Sains Dasar* 3(1):9-19. Jurusan Pendidikan Biologi, FMIPA, Universitas Negeri Yogyakarta.
- Pratiwi, R.S., T.E. Susanto, Y.A. K. Wardani dan A. Sutrisno. 2015. Enzim Kitinase dan Aplikasi di Bidang Industri: Kajian Puataka. Enzim Kitinase dan Aplikasi di Bidang Industri. *Jurnal Pangan dan Agroindustri Vol. 3 No 3 p.878-887*
- Purwanto, A. W. 2007. *Budi Daya Ex – Situ Nepenthes sp. Kantong Semar Nan Eksotis*. Yogyakarta: Kaninus
- Puspitasari, F.D., Shovitri, M. and Kuswyasari, N.D., 2012. Isolasi dan karakterisasi bakteri aerob proteolitik dari tangki septik. *Jurnal Sains dan Seni ITS*, 1(1), pp.E1-E4.
- Puspitaningtyas, D. M., dan H. Wawaningrum. 2007. Keanekaragaman *Nepenthes* di Suaka Alam Sulasih Talang-Sumatera Barat. *Biodiversitas*. 8(2) hal. 152-156
- Raveschot, C., B. Cudennec., F. Coutte., C. Flahaut., M. Fremont., D. Drider and P. Dhulster. 2018. Production of bioactive peptides by lactobacillus species: From gene to application. *Frontiers in Microbiology*, 9(OCT), 1-14. <https://doi.org/10.3889/fmicb.2018.02354>
- Richana, N. 2000. Prospek Dan Produksi Enzim  $\alpha$ -Amilase Dari Mikroorganisme. *Agro Bio*. Vol. 3(2):15-58.
- Riedel, M., A. Eichner and R. Jetter. 2003. Slippery Surfaces of Carnivorous Plants: Composition of Epicuticular Wax Crystals in *Nepenthes alata* Blanco pitchers. *J.Pl.* 1 (1) P. 87-97.
- Rustan, I.R. 2013. *Studi Isolasi Dan Identifikasi Bakteri Asam Laktat Dari Fermentasi Cabai Rawit (Capsicum frutescens L.)*. Universitas Hasanudin. Makasar. [Skripsi]
- Sakai WS. 1974. Scanning electron microscopy and energy dispersive x-ray analysis of chalk secreting leaf glands of *Plumbago capensis*. *Amer J Bot* 61:94-99. Di dalam: Lindquist JA. 1975. Bacteriological and ecological observation on the northern pitcher plant, *Sarracenia purpurea* [tesis]. Madison, WI: University of Wisconsin, Department of Bacteriology.

- Sanford, P.T. World market of chitin and its derivatives. 2003. Dalam : Varum KM, Domard A, Smidsrod O. *Advances in chitin science, vol 4. Trondheim, Norway*
- Setianingsih, Denik. 2016. *Studi Keanekaragaman Jenis Kantong Semar (Nepenthes sp) Dan Serangga Yang Terjebak Di Dalamnya Di Taman Nasional Sebangau Resort Habaring Hurung. Palangka Raya: Institut Agama Islam Negeri Palangka Raya*
- Soeka, Yati Sudaryati dan Sulistiani. 2011. Seleksi, Karakterisasi, dan Identifikasi Bakteri Penghasil Kitinase yang Diisolasi dari Gunung Bromo Jawa Timur. *Jurnal Natur Indonesia* Vol. 13 No. 2: 155-161
- Sulistiyaningsih. 2008. Identifikasi Isolat Bakteri Penghasil Zat Anti Bakteri Dari Cairan Kantung Tanaman Kantong Semar (*Nepenthes ampullaria* Jack). *Laporan Penelitian Mandiri*. Fakultas Farmasi Universitas Padjajaran. Bandung. 64 hal.
- Susi. 2002. Isolasi Kitinase dari *Scleroderma columnae* dan *Trichoderma harzianum*, *Jurnal Ilmu Dasar*, 3(1): 30-35
- Swandi, M. K., Periadnadi dan Nurmiati. 2015. Isolasi Bakteri Pendeградasi Limbah Ciri Industri Minyak Sawit, *J.Bio.UA*, 4(1):71-76
- Tsujibo, H., N. Kondo, K. Tanaka, K. N. B. Miyamoto., dan Y. Imamori. 1999. Molecular Analysis of The Gene Encoding a Novel Transglycosylative Enzyme from *Alteromonas* sp. Strain 0-7 & Its Physiological Role in The Chitinolytic System. *Jurnal Bacter*. 81: 5461-5466.
- Verena, S. 2008. Chitinases of filamentous fungi: a large group of diverse proteins with multiple physiological functions. *Fungal Biology Reviews* 22(1): 36-42.
- Weidner S, Arnold W, Puhler A. Diversity of uncultured microorganisms associated with the seagrass *Halophila stipulaceae* estimated by restriction fragment length polymorphism analysis of PCR-amplified 16S rRNA genes. *Appl Environ Microbiol* 62:766-771.
- Wherry ET. 1929. Acidity relations of the sarracenias. *J Wash Acad Sci* 19:379-390. Di dalam: Lindquist JA. 1975. Bacteriological and ecological observation on the northern pitcher plant, *Sarracenia purpurea* [tesis]. Madison, WI: University of Wisconsin, Department of Bacteriology.
- Yogiara. 2004. Analisis komunitas bakteri cairan kantong semar (*Nepenthes* spp.) menggunakan teknik terminal restriction fragment length polymorphism (T-RFLP) dan amplified ribosomal DNA restriction analysis (ARDRA) [tesis]. Bogor (ID): Institut Pertanian Bogor
- Yulia, I. 2015. Kajian Mikrobiologis dan Biokimiawi Produk Tapai Ubi Kayu Putih dan Ubi Kayu Kuning. *Skripsi*. Departemen Biologi. Universitas Andalas. 40 hal.
- Yusmarini, R. Indriati, T. Utami, dan Y. Marsono. (2010). Aktivitas Proteolitik Bakteri Asam Laktat dalam Fermentasi Susu Kedelai. *Jurnal Teknologi dan Industri Pangan*. Vol 21 (2) : 129 - 134.