

DAFTAR PUSTAKA

- Abdulla, H. M. 2007. Enhancement of Rice Straw Composting by Lignocellulolytic Actinomycete Strains. *Int. J. of Agriculture & Biology*. Vol. 9(1), 106-109.
- Achmad., Mugiono., T. Arlianti., C. Azmi . 2011. *Panduan Lengkap Jamur*. Jakarta: Kanisius.
- Amrullah, M., N.H.Nawir., A. Abdullah dan E. Tambaru. 2013. Isolasi Jamur Mikroskopik Pendegradasi Lignin dari Beberapa Substrat Alami. *Jurnal Alam dan Lingkungan*. 4 (7).
- Amira, R. D., A.R. Roshanida., M.I. Rosli., M.F. Siti., Anuar., J. Nazrul., C.M Adha. 2012. Bioconversion of empty fruit bunch (EFB) and palm oil mill effluent (POME) into compost using *Trichoderma virens*, *Afr. J. Biotechnol.* 10 (81): 18775–18780.
- Asadi. E., N.Tambaru., A. Malik. 2007. Jamur Pendegradasi Lignin pada Serasah Eboni (*Diospyros celebica* Bakh) Dikabupaten maros. *J Bioma* 2 (1): 17-27.
- Asgher, M., N. Ahmed, and H.M.N. Iqbal, 2011. Hyperproductivity of extracellular enzymes from indigenous white rot fungi (*P. Chrysosporium* IBL-03) by utilizing agro-waste. *Bioresources*. 4: 4454-4467.
- Badan Pusat Statistik. (2012). Produksi Padi Indonesia. <http://www.bps.go.id>. Diakses 12 Januari 2019.
- Bajya ,D.R., D. Arya., M. Ranjith., M.C. Lakhara and S.K. Raza. 2015. Isolation and identification of cellulose demoting symbionts from gut of subterranean termite, *Odontotermes obesus*. *Indian J Agricul Sci.* 85(7):970-2.
- Biswas, D.R., G. Narayanasamy. 2002. Mobilization of phosphorus from rock phosphate through composting using crop residue-fertilizer, *News B* 53–56.
- Budiarjo, M.A. 2006. Studi Pengomposan Sampah Kota sebagai Salah Satu Alternatif Pengelolaan Sampah di TPA dengan Menggunakan Aktivator EM4 (Effektive Microorganism) *Jurnal Presipitasi* 1 (1): 25-30.
- Carlile, M.J and S.C. Watkinson. 1995. *The Fungi*. San Diego: Academic Press.
- Chang, T. T. 2003 in *Rice: origin, History, Technology and Production*, ed. C. W. Inc., NJ, USA, pp. 3–25.
- Cheruvanky, R. 2003. In *Phytochemical functional foods*. Woodhead Publishing Limited, Cambridge, England, pp. 347–376.

- Danarto, Y.C., N. Nur., D.P. Setiawan., N.D. Kuncoro. 2010. Pengaruh Waktu Operasi Terhadap Karakteristik Char Hasil Pirolisis Sekam Padi Sebagai Bahan Pembuatan Nano Struktur Supermikroskopous Carbon. *Prosiding Seminar Nasional Teknik Kimia Pengembangan Teknologi Kimia untuk Pengolahan Sumber Daya Alam Indonesia*. Yogyakarta. Hal. 1-2.
- Djaja W. 2008. *Langkah Jitu Membuat Kompos Dari Kotoran Ternak Dan Sampah*. Cetakan I. Jakarta (ID): Agromedia Pustaka.
- Dwiyani, R. 2013. *Mengenal Tanaman Pelindung Disekitar Kita*. Denpasar: Udayana University Press.
- Dey, S., T. K. Maiti and B.C. Bhattacharrya. 1994. Production of some extracellular enzymes by lignin peroxidase producing brown rot fungus polyporus ostreiformis and iscomparative abilities for lignindegradation and dye decolorization. *Appl. Environ Microbiol*, 60:4216-4218
- Dinas Kebersihan dan Pertamanan Kota Padang. 2016. Pengelolaan sampah dikota padang.
- Djuarnani. N., Kristian., B.S. Setiawan. 2005. *Cara Cepat Membuat Kompos*. Jakarta : Agromedia Pustaka.
- Febriyanti, E., Nurmiati., Periadnadi. 2017. Kecepatan Pertumbuhan dan Aktivitas Lignin Peroksidase Isolat Kapang Lignoselulolitik Dalam Upaya Penanggulangan Sampah Organik Lignoselulosa. *Jurnal Metamorfosa IV* (1): 72-78.
- Gaind, S., A.K. Pandey., J. Lata. 2006. Microbial biomass: p-nutrition and enzymatic activities of wheat soil in response to phosphorus enriched organic and inorganic manures, *J. Environ. Sci. Health Part B* 41: 177-187.
- Ganjar, I. Wellyzar., S. Ariyani. 2006. *Mikologi Dasar dan Terapan*. Yayasan Obor Indonesia. Jakarta.
- Goyal, S., D.K Dhull., K.K. Kapoor. 2005. Chemical and biological changes during composting of different organic wastes and assessment of compost maturity, *Bioresour. Technol* 1584-1591.
- Gusnawaty, H.S., M. Taufik., L.S. Bande., G. Asis. 2007. Efektivitas Beberapa media untuk perbanyakan Agensi Hayati *Trichoderma* spp. *J.HPT Tropika*. 17 (1):70-76.
- Hanafiah, K. A. 2005. *Dasar-dasar Ilmu Tanah*. Jakarta: Raja Grafindo Persada.

- Harman, G.E., C.R. Howell., A. Viterbo., I. Chet., M. Lorito. 2004. *Trichoderma species* – opportunistic avirulent plant symbionts. *Nature Reviews Microbiology* 2 (1) : 43–56.
- Harsono, H. 2002. Pembuatan Silika Amorf dari Limbah Sekam Padi. *Jurnal Ilmu Dasar*. Vol. 3(2), hal 98-103.
- Hendritomo, H. I. 2002. *Biologi Jamur Pangan*. Jakarta (ID): Pusat Pengkajian dan Penerapan Teknologi Bio Industri.
- Howard, R.L., E.Abotsi, E.L.J. Van Rensburg and S. Howard. 2003. Lignocellulose biotechnology: issue of bioconversion and enzyme production. *African J. Biotechnol.* 2(12):602-619.
- Huang, X. D., C. Wang., M. Liu., Y. Hu., Qu., P. Gao. 2003. The roles of veratryl alcohol and nonionic surfactant in the oxidation of phenolic compounds by lignin peroxidase. *Biochemistry Biophysic Resume Community*, 311 (2) 491-494.
- Indriani. 2013. *Membuat Kompos Secara Kilat*. Cetakan III. Depok (ID): Penebar Swadaya.
- Ismayana, A., N.S. Indrasti., Suprihatin., A. Maddu., A. Fredy. 2012. Faktor Rasio C/N Awal dan Laju Aerasi Pada Proses Co- Composting Bagasse dan Blotong. *Jurnal Teknologi Industri Pertanian*. 22(3):173-179.
- Jamilah, I., A. Meryandini, I. Rusmana, A. Suwanto dan N.R, Mubarik. 2009. Activity Proteolytic and Amyolytic Enzymes From *Bacillus* spp. Isolated From Shrimp Ponds. *Journal Microbiology Indonesia*. 3 (2): 67-71.
- Jariwalla, R. J. 2001. Rice-bran products: phytonutrients with potential applications in preventive and clinical medicine, *Drugs Exp. Clin. Res.* 27, 17–26.
- Kastaman, R., M.A. Kramadibrata. 2007. *Sistem Pengelolaan: Reaktor Sampah Terpadu Silarsatu*. Humaniora: Bandung.
- Kirk T.K., E. Schultz., W.J. Connors., L.F. Lorenz., J.G. Zeikus. 1978. Influence of Culture Parameters on Lignin Mechanisme by *P. chrysosporium*. *Arch Microbiol.* 32 : 131.
- Kucuk, C., M. Kivanic. 2003. Isolation of *Trichoderma* spp. And Determination of their Antifungal, Biochemical and Physiological Features. *Turk.J Biol.* 27:247-253.
- Lankimen, P. 2004. Ligninolytic enzymes of the basidiomycetous fungus *Agaricus biosporus* and *Phlebia radiata* on lignocellulosa- containing media.

Academic Dissertation in Microbiology. <http://www.u.arizona.edu/learn/lankimen.pdf>.

Maulana, E. 2012. Panen Jamur Tiap Musim. Lampung: Lily Publisher.

Meryandini, A.W., B. Widosari., T.C.Maranatha., Satria. 2009. Isolasi Bakteri Selulolitik Dan Karakterisasi Enzimnya. *Makara Sains* 13(1): 33-38

Moore. Landecker, E. 200. *Fundamentals of the Fungi*. New Jersey (US): Prentice Hall, Inc. Englewood Cliffs.

Mtui, Y.S. 2009. Recent Advances in Pretreatment of Lignocellulosic Wastes and Production of Value Added Products. *African J. of Biotechnology* Vol. 8(8), 1398-1415.

Nasution, P., Periadnadi, Nurmiati. 2017. Kecepatan Pertumbuhan Kapang *Trichoderma harzianum* Rifai A1300-F006) dan Aktivitas Selulase Dalam Penanganan Sampah Selulosa. *Jurnal Metamorfosa IV* (1): 35-40.

Okhuma, M., Y. Maeda, T. Johjima and T. Kudo. 2001. Lignin degradation and roles of white rot fungi: Study on an efficient symbiotic system in fungus growing termites and its application to bioremediation. *RIKEN Review*. 42:39-42.

Pratiwi, I. 2013. Analisis Kualitas Kompos Limbah Persawahan dengan Mol Sebagai Dekomposer. *Jurnal Online Agroekoteknologi Tropika*. 2 (4) : 2301-6515.

Pusat Konservasi Tumbuhan Kebun Raya LIPI. 2017. *Koleksi Tanaman PAlem Kebun Raya Bogor*. Bogor Jawa Barat: LIPI.

Razie, F. A., A. Iswandi., L. Sutandi., Gunarto. 2011. Aktivitas Enzim Selulase Mikroba Yang Diisolasi dari Jerami Padi di Persawahan Pasang Surut di Kalimantan Selatan. *J. Tanah Lingk.* 13 (2): 43-48

Rifai, M. A. 1969. A revision of the genus *Trichoderma*. *Mycology*. (116):1-56.

Rosanti, K. T., I.R Sastrahidayat., A.L. Abadi. 2014. Pengaruh Jenis Air Terhadap Perkembangan Spora Jamur *Coleletotrichum capsici* pada Cabai dan *Fusarium oxysporum* F.sp. *Lycopersicii* pada Tomat. *Jurnal HPT*. 2(3): 109-120.

Sadle, T. 2014. *Trichoderma*. , *Bio Products Laboratory*. Elsevier.

Saha, B.C. 2004. *Lignocellulose Biodegradation and Application in Biotechnology*. US Government Work. American Chemical Society. 2-14.

- Saili, N.S., S. Siddique., C.M Ling., M. Gonzalez and S. V. Kumar. 2014 Lignocellulolytic Activities among *Trichoderma* Isolates From Lahad Datu, Sabah and Deception Island, Antractic. *Journal of Microbial & Biochemical Technology*. 6 (5): 295-302
- Samson, R.A & R.E.S. Hoekstra. 1988. *Introduction to Food Borne Fungi*. Centraalbureau Voor Schimmelcultures. Netherland.
- Saraswati, R., E. Husein dan R.D.M. Simanungkalit. 2007. *Metode Analisis Tanah*. Balai Besar Penelitian dan Pengembangan Pertanian. Bogor: Departemen Pertanian.
- Shafawati, S.N. Siddiquee, S Wong, C.M.V.L. Kumar, S.V. 2014. Lignocellulolytic activities among *Trichoderma* isolates from lahad datu, sabah and deception island, antarctic, *J. Microb. Biochem. Technol*. 6 (5): 295–302.
- Siddiquee,S., S.N. Shafawati., L. Nahel. 2007. Effective Composting of Empaty Fruit Bunches Using Potential *Trichoderma* Strains. *Biotechnologi Report* 13:1-7.
- Siregar, M., L.Hakim and A, Hutasoit. 2012. White-Rot Fungi Which Potentially As Biodelignification Agens In Dead Wood Tissue of Pine (*Pinus merkusii* jungh Et De).. *Prosiding Nasional Biologi*.Medan
- Sirisenana, D.M. and T.P. Manamendra. 1995. Isolation and characterization of cellulolytic bacteria from decomposing rice straw. *J. Nat. Sci. Country*, 23:25-30.
- Soesanto L., D.S Utami dan R.F. Rahayuniati. 2011. Morphological characteristics of four *Trichoderma* isolates and two endophytic *Fusarium* isolates. *Can. J. On Scientific and Industrial Res*. 2(8): 294-306.
- Soltani, N., A. Bahrami., M.I. Pech-Ganul., dan L.A. Gonzalez. 2015. *Review on the Physicochemical Treatments of Rice Husk for Production of Advanced Materials*. *Chemical Engineering Journal* 264, 899-935.
- Stamets, P. 2000. *Growing Gourmet and Medicinal Mushrooms*. Ed ke-3. California: Ten Speed Press.
- Storino ,F., J.S. Arizmendiarieta.,I. Irigoyen., J. Muro., Aparicio., P.M.Tejo. 2016. Meat waste as feedstock for home composting: Effects on the process and quality of compost. *Waste Manage*. 56: 53-62.

- Subowo, Y.B. 2012. Seleksi Jamur pendegradasi selulosa dan pestisida deltamethin dari beberapa lingkungan di Kalimantan Barat. *Jurnal teknik lingkungan* 13(2); 221-230
- Sudarmadji, S.B., Haryono & Suhardi. 1984. Prosedur Analisa untuk Bahan Makanan dan pertanian. Edisi III. Penerbit Liberty. Yogyakarta.
- Supriyanto, A.2009. Manfaat Jamur Pelapuk Putih *Phanerochaete chrysosporium* L1 Dan *Pleurotus* Eb9 Untuk Biobleaching Pulp Kardus Bekas. *Tesis*. Institut Pertanian Bogor : Bogor.
- Suriawiria U. 2003. *Mikrobiologi Air*. Bandung (ID): PT Alumni.
- Surtinah. 2013. Pengujian Kandungan Unsur Hara dalam Kompos yang Berasal dari Serasah Tanaman Jagung Manis (*Zea mays saccharata*). *Jurnal Ilmiah Pertanian* 11(1): 16-26.
- Taha, F. S., R.M. Mourad., S.S. Mohamed and A.I. Hashem. 2012. Enzymatic pretreatment of stabilized rice bran with mixed enzymes: evaluation of oil, *Am. J. Food Technol.*, 7, 452–469.
- Tisma, M., B. Zelic and D.V.Racki . 2010. White-rot fungi I phenols, dyes and other xenobiotics treatment a brief review, *Croat. J. Food Sci. Technol* (2).
- Taribuka, J.T., S. Christanti., Widyastuti., A. Wibowo. 2016. Eksplorasi dan identifikasi *Trichoderma* Endofitik pada pisang. *J. HPT Tropika*. 16 (2): 115-123.
- Tombe M., H.Sipayung. 2010. *Pupuk Organik Generasi Terbaru: Kompos Biopestisida*. Yogyakarta (ID): Kanisius.
- Watanabe, T. 2002. Pictorial Atlas of soil and seed fungi. Morphologies of culture fungi and key to speies. Second edition. CRC Press LLC. USA.
- Widarti, I.W. 2010. Pengaruh pariasi bobot bulking agent terhadap waktu pengomposan sampah organik rumah makan. *Journal sains dan teknologi lingkungan*. 2 (1): 43-54.
- Yuniasmara, C., Muchrodji., M. Bakrun.1999. *Pembibitan Pembudidayaan Analisis Usaha Jamur Tiram*. Jakarta (ID): Penebar Swadaya

