

DAFTAR ACUAN

- Bailey, M.J. 1992. Interlaboratory testing of methods for assay of xylanase activity. *J. Biotechnol.* **23**: 257--270.
- Bauman, R.W. 2004. *Microbiology*. Benjamin Cummings, Toronto: xxv + 897 hlm.
- Black, J.G. 1999. *Microbiology principles and explorations*. John Wiley & Sons, Inc., New York: xxiv + 786 hlm.
- Bradford, M.M. 1976. A rapid and sensitive method for the quantitation on microgram quantities of protein in utilizing the principle of protein dye binding. *Anal. Biochem.* **72**: 248--254
- Brock & Brock. 1978. *Basic microbiology with applications*. 2nd ed. Prentice Hall, New Jersey: xiii + 608 hlm.
- Brock, T.D., M.T. Madigan, J.M. Martinko & J. Parker. 1994. *Biology of microorganism*. 7th ed. Prentice Hall, Inc., New Jersey: xvii + 909 hlm.
- Buchanan, R.E. & N.E. Gibbons. 1974. *Bergey's manual of determinative bacteriology*. 8th ed. The Williams & Wilkins Company, Baltimore: xxvi + 1268 hlm.
- Cappuccino, J.G. & N. Sherman. 2002. *Microbiology: A laboratory manual*. The Benjamin Cummings Publishing Company, Inc., San Fransisco: xvi + 491 hlm.
- Collins, T., C. Gerday & G. Feller. 2005. Xylanases, xylanase families and extremophilic xylanases. *FEMS Microbiol. Rev.* **29**: 3--23.

- Cordeiro, C.A.M., M.L.L. Martins, A.B. Luciano & R.F. da Silva. 2002. Production and properties of xylanase from thermophilic *Bacillus* sp. *Brazilian Archives of Biology and Technology*. **45**(4): 413--418.
- Damaso, M.C.T., M.S. Almeida, E. Kurtenbach, O.B. Martins, N. Pereira, C.M.M.C. Andrade & R.M. Albano. 2003. Optimized expression of a thermostable xylanase from *Thermomyces lanuginosus* in *Pichia pastoris*. *Appl. Environ. Microbiol.* **69**(10): 6064--6072.
- Dhillon, A., J.K. Gupta & S. Khanna. 2000. Enhanced production, purification and characterisation of a novel cellulase-poor thermostable, alkalitolerant xylanase from *Bacillus circulans* AB 16. *Process Biochem.* **35**: 849--856.
- Dinas Perindustrian dan Perdagangan. 2006. RI pulp and paper. 31 Oktober 2006: 1 hlm.: <http://disperindag-jabar.go.id/index.php?pilih=lihat&id=1679>, 20 Juni 2008, pk. 10.20.
- Gandjar, I., I.R. Koentjoro, W. Mangunwardoyo & L. Soebagya. 1992. *Pedoman praktikum mikrobiologi dasar*. Jurusan Biologi, FMIPA UI, Depok: vii + 87 hlm.
- Garg, A.P., A.J. McCharty & J.C. Roberts. 1996. Biobleaching effect of *Streptomyces thermoviolaceus* xylanase preparations on birchwood kraft pulp. *Enzyme Microb. Technol.* **18**: 261--267.
- George, S.P., A. Ahmad & M.B. Rao. 2001. A novel thermostable xylanase from *Thermomonospora* sp.: influence of additives on thermostability. *Bios. Technol.* **78**: 221--224.

- Gessesse, A. & B.A. Gashe. 1997. Production of alkaline xylanase by an alkaliphilic *Bacillus* sp. isolated from an alkaline soda lake. *J. Appl. Microbiol.* **83**: 402--406.
- Ghose, T.K. & V.S. Bisaria. 1987. Measurement of hemicellulase activities, part 1: xylanase. *Pure & Appl. Chem.* **59**(12): 1739--1752.
- Haki, G.D. & S.K. Rakshit. 2003. Development in industrially important thermostable enzyme: a review. *Bios. Technol.* **89**: 17--34.
- Haltrich, D., B. Nidetzky, K. D. Kulbe, W. Steiner & S. Župančič. 1996. Production of fungal xylanases. *Bios. Technol.* **58**: 137--161.
- Hawcroft, D. 1987. *Diagnostic enzymology: analytical chemistry by open learning*. John Wiley & Sons, London: 47 hlm.
- Heck, J.X., P.F. Hertz & M.A.Z. Ayub. 2002. Cellulase and xylanase production by isolated amazon *Bacillus* strains using soybean industrial residue based solid-state cultivation. *Braz. J. Microbiol.* **33**: 213--218.
- Highley, T.L. 2004. Carbohydrolase assays. *Methods in plant biochemistry and molecular biology.* **25**: 309--321.
- Hölker, U., M. Höfer & J. Lenz. 2004. Biotechnological advantages of laboratory-scale solid-state fermentation with fungi. *Appl. Microbiol. Biotechnol.* **64**: 175--186.
- Jiang, Z.Q., S.Q. Yang, S.S. Tan, L.T. Li & X.T. Li. 2005. Characterization of a xylanase from the newly isolated thermophilic *Thermomyces lanuginosus* CAU44 and its application in bread making. *Lett. Appl. Microbiol.* **41**: 69--76.

- Jawetz, E., J.L. Melnick & E.A. Adelberg. 1976. *Review of medical microbiology*. Lance, San Fransisco: 542 hlm.
- Judoamidjojo, M., A.A. Darwis & E.G. Sa'id. 1992. *Teknologi fermentasi*. PAU-Bioteknologi, IPB, Bogor: 333 hlm.
- Khandeparkar, R. & N.B. Bhosle. 2003. Purification and characterization of thermoalkalophilic xylanase isolated from the *Enterobacter* sp MTCC 5112. *National Institute of Oceanography*. **7**: 1--25.
- Khasin, A., A. Iris & Y. Shoham. 1993. Purification and Characterization of a Thermostable Xylanase from *Bacillus stearothermophilus* T-6. *Appl. Environ. Microbiol.* **59**(6): 1725--1730.
- Kouker, G. & K.E. Jaeger. 1986. Specific and sensitive plate assay for bacterial lipases. *Appl. Environ. Microbiol.* **53**(1): 211-213.
- Kulkarni, N., A. Shendye & M. Rao. 1999. Molecular and biotechnological aspects of xylanases. *FEMS Microbiol. Rev.* **23**: 411--456.
- Kyu, K.L., K. Ratanakhanokchai, D. Uttapap & M. Tanticharoen. 1994. Induction of xylanase in *Bacillus circulans* B6. *Bios. Technol.* **48**: 163--167.
- Miller, G.L. 1959. Use of dinitrosalicylic acid reagent for determination of reducing sugar. *Anal. Chem.* **31**: 416--429.
- Mousdale, D.M., J.C. Melville & M. Fischer. 1999. Optimization of fermentation processes by quantitative analysis from analytical biochemistry to chemical engineering. *Dalam*: El-Mansi, E.M.T. &

- C.F.A. Bryce (eds.). 1999. *Fermentation microbiology and biotechnology*. Taylor & Francis, London: xiv + 308 hlm.
- Nakamura, S., W. Kenji, N. Ryuichiro, A. Rikizo & H. Koki. 1993. Purification and some properties of an alkaline xylanase from alkaliphilic *Bacillus* sp. strain 41M-1. *Appl. Environ. Microbiol.* **59**(7): 2311--2316.
- Nobel, A. 2000. *Quick start Bradford protein assay*. Bio-Rad Inc., California: 33 hlm.
- Pelczar, M.J. & E.S.C. Chan. 1986. *Dasar-dasar mikrobiologi*, Jilid 1. Penerj. R.S. Hadioetomo, T. Imas, S.S. Tjitrosomo & S.L. Angka. Penerbit Universitas Indonesia, Jakarta: viii + 443 hlm.
- Polizeli, M.L.T.M., A.C.S. Rizzatti, R. Monti, H. Fterenzi, J.A. Jorge & D.S. Amorim. 2005. Xylanases from fungi: properties and industrial applications. *Appl. Microbiol. Biotechnol.* **67**(10): 577--591.
- Rachman, A. 1989. *Pengantar teknologi fermentasi*. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat Antar Universitas Pangan dan Gizi Institut Pertanian Bogor, Bogor: vii + 145 hlm.
- Ray, B. 2004. *Fundamental food microbiology*. 3rd ed. CRC Press, New York: x + 608 hlm.
- Richana, N. 2006. Kajian proses produksi xilanase dari isolat bakteri alkalofilik menggunakan media xilan tongkol jagung. Disertasi Pascasarjana Institut Pertanian Bogor, Bogor: 86 hlm.
- Rifaat, H.M., Z.A. Nagieb & Y.M. Ahmed. 2005. Production of xylanases by

- streptomyces* species and their bleaching effect on rice straw pulp. *Appl. Ecol. & Environ. Res.* **4**(1): 151--160.
- Sadikin, M. 2002. *Biokimia enzim*. Widya Medika, Jakarta: x + 379 hlm.
- Samain, E., Ph. Debeire & J.P. Touzel. 1997. High level production of a cellulase-free xylanase in glucose-limited fed batch culture of a thermophilic *Bacillus* strain. *J. Biotechnol.* **58**: 71--78.
- Sardjoko. 1991. *Bioteknologi: latar belakang dan beberapa penerapannya*. P.T. Gramedia Pustaka Utama, Jakarta: ix + 307 hlm.
- Srinivasan, M.C. & M.V. Rele. 1995. Microbial xylanase for paper industry. *Ind. J. Microbiol.* **35**: 93--101.
- Stauffer, C.E. 1998. *Enzyme assay for food scientists*. Van Nostrand Reinhold, New York: v + 342 hlm.
- Suhartono, M.T. 1989. *Enzim dan bioteknologi*. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan tinggi Antar Universitas Bioteknologi Institut Pertanian Bogor, Bogor: vi + 322 hlm.
- Sunna, A., S.G. Prowe, T. Stoffregen & G. Antranikian. 1997. Characterization of the xylanases from the novel isolated thermophilic xylan-degrading *Bacillus thermoleovorans* strain K-3d and *Bacillus flavothermus* strain LB3A. *FEMS Microbiol Lett.* **148**: 209--216.
- Touzel, J.P., O.D. Michael, D. Philippe, S. Eric & B. Christelle. 2000. *Thermobacillus xylanilyticus* gen. nov., sp. nov., a new aerobic thermophilic xylan-degrading bacterium isolated from farm soil. *Int. J. Sys. & Evol. Microbiol.* **50**: 315--320.

- Velázquez, E., M. Trinidad, P. Margarita, R. Raúl, R.M. Ramón & G.V. Tomás. 2004. *Paenibacillus favisporus* sp. Nov., a xylanolytic bacterium from cow faeces. *Int. J. Sys. & Evol. Microbiol.* **54**: 59--64.
- Viihari, L., A. Kantelinen, J. Sundquist & M. Linko. 1994. Xylanases in bleaching: from an idea to the industry. *FEMS Microbiol. Rev.* **13**: 335--350.
- WALHI. 1994. Mencari alternative klorin. 1994: 1 hlm.
<http://www.walhi.or.id/kampanye/cemar/industri/>, 26 Mei 2008, pk. 11.30.
- Whitehead, T.R. & R.B. Hespell. 1990. The genes for three xylan-degrading activities from bacteroides ovatus are clustered in a 3.8-kilobase region. *J. Bacteriol.* **172**(5): 2408--2412.
- Winarno, F.G. 1995. *Enzim pangan*. PT. Gramedia, Jakarta: xii + 115 hlm.
- Worthington. 2004. Introduction to enzyme. 2004: 17 hlm.
<http://www.worthington-biochem.com/introBiochem/Enzymes.pdf>, 29 November 2007, pk. 21.14.
- Yang, V.W., Z. Zhuang, G. Elegir & T.W. Jeffries. 1995. Alkaline-active xylanase produced by an alkaliphilic *Bacillus* sp. isolated from kraft pulp. *J. Industrial Microbiol.* **15**: 434--441.