

DAFTAR PUSTAKA

- Ahmad, M.S., Noor, Z.M., Ariffin, Z.Z. 2013. New Thrombolytic Agent from Endophytic Fungi and *Lignosus rhinoceros*. *The Open Conference Proceedings Journal*, 4, (Suppl-2, M22) 95-98
- Andriyadi, R.D. 2011. Isolasi Dan Identifikasi Kapang Tanah Dari Kawasan Wonorejo, Surabaya. *Skripsi*. Surabaya: Fakultas Matematika dan Ilmu Pengetahuan Alam Institut Teknologi Sepuluh Nopember.
- Arief, A. 2003. *Hutan Mangrove Fungsi dan Manfaatnya*. Kanisius. Yogyakarta.
- Ashipala, O. K., He, Q. 2007. Optimization of fibrinolytic enzyme production by *Bacillus subtilis* DC 02 in aqueous two-phase system (poly-ethylene glycol 4000 and sodium sulfate). *Biosource Technology* 99, pp. 4112-4119
- Astrup, T., Müllertz, S. 1952. The fibrin plate method for estimating fibrinolytic activity. *Arch. ~iochem. Biophys.* 40:346-51.
- Aunstrup, K. 1974, Industrial production of proteolytic enzymes , *Industrial aspects of Biochemistry*, 30(1): 23-46.
- Austin, B. 1998. *Marine Microbiology*. Cambridge: Cambridge University press. pp1-11
- Barnett, H.L. Hunter, B.B. 1998. *Illustrated genera of imperfect fungi*. 4th ed. USA: Prentice-Hall, Inc.
- Batomunkueva, B.P., Egorov N.S. 2001. Isolation, purification, and separation of the complex preparation of extracellular

proteinases with fibrinolytic and anticoagulant properties from *Aspergillus ochraceus* 513. *Mikrobiologiia*;70(5):602-6.

Boyer, P.D. Eds. 1971. *The Enzymes : Hydrolysis Peptide Bond*, Ed. 3rd, New York: Academic Press, Inc.

Chung-Lu, L., Shiu-Nan, C. 2012. *Fibrinolytic Enzymes from Medicinal Mushrooms*. Taiwan : College of Life Science, National Taiwan University

DeLoughery, T. G. 2004. *Hemostasis and Thrombosis*, Ed. 2nd, Texas: Landes Bioscience, pp. 17-25.

De Lara-Issasi, G., S. Alvarez-Hernández, S., Quintana-Pimentel, A. 2004. Screening for anticoagulant substances in some marine macroalgae. *Hidrobiológica* 14 (1): 47-54.

Departemen Kesehatan Republik Indonesia. 1995. **Farmakope Indonesia. Ed. IV.** Departemen Kesehatan Republik Indonesia

El-Aassar, S. A., El-Badry, H. M., Abdel-Fattah, A. F. 1990. The biosynthesis of proteases with fibrinolytic activity in immobilized cultures of *Penicillium chrysogenum* H9. *Applied Microbiology and Biotechnology*, Volume 33, Number 1, Page 26.

Fayek K.I., Foda M.S., Elnaggar M.R 1976. Production physiology and properties of a novel fungal fibrinolytic enzyme. *Z Allg Mikrobiol* 16:417–423

Gandjar, I., Robert, A.S., Karin, V.D., Ariyanti, O., Iman S., 1999. *Pengenalan Kapang Tropik Umum*. Jakarta: Yayasan Obor Indonesia.

- Han, N., Gu, Y., Ye, C., Cao, Y., Liu, Z., Yin, J. 2012. Antithrombotic activity of fractions and components obtained from raspberry leaves (*Rubus chinigii*), **Food Chemistry** 132, 181–185
- Hutabarat, S., Evans, M.S. 1985. **Pengantar Oceanografi**. Jakarta: Penerbit Universitas Indonesia.
- Jones, E.B.G. 2000. Marine fungi: some factorsinfluencing biodiversity. **Fungal Diversity** 4: 53-73
- Kim, J. H. Kim, Y. S. 1999. A fibrinolytic metalloprotease from the fruiting bodies of an edible mushroom, *Armillariella mellea*. **Bioscience, Biotechnology, and Biochemistry**, Vol.63, No.12, 2130-2136.
- Kotb, E. 2012. **Fibrinolytic Bacterial Enzymes with Thrombolytic Activity**. Heidelberg: Springer.
- Kurniawan, F. 2012. Keanekaragaman Jenis Fungi Pada Serasah Daun *Avicennia Marina* Yang Mengalami Dekomposisi Pada Berbagai Tingkat Salinitas. **Edu-Bio**; Vol. 3
- Kushartono, E.W. 2009. Beberapa aspek Bio-Fisik Kimia Tanah di Daerah Mangrove Desa Pasar Banggi Kabupaten Remban. **Ilmu Kelautan**. vol. 14 (2) : 76-83
- Kusnadi. 2003. **Mikrobiologi**. Bandung: Universitas Pendidikan Indonesia
- Larone, D.H. 2011. **Medically Important Fungi: A Guide to Identification – 5th Edition**. Washington, DC: ASM Press.

- Leck, A. 1999. Preparation of Lactophenol Cotton Blue Slide Mounts. **Community Eye Health**; 12(30): 24
- Lehninger, A. 1993. **Dasar-Dasar Biokimia Jilid 1**. Diterjemahkan oleh Thenawijaya, M. Jakarta: Erlangga.
- Lerner, R. A., Barbas III, C. F., Janda, K. D. 1996-1997. Making Enzymes. **Harvey Lect.** 92, 1-40.
- Lu,F.,Sun,L.,Lu, Z.,Bie, X.,Fang,Y., and Liu, S. 2009. Isolation and identification of an endophytic strain SJS-3 producing novel fibrinolytic enzymes. **Current Microbiology an International Journal**, Vol.54, pp.435-439
- Madaniyah. 2013. Skrining Bakteri Fibrinolitik Asal Tanah pada Pembuangan Limbah Tahu. *Skripsi*. Jember: Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Jember
- Mahajan, PM, Nayak, S, Lele, SS. 2012. Fibrinolytic enzyme from newly isolated marine bacterium *Bacillus subtilis* ICTF-1: media optimization, purification and characterization. **J Biosci Bioeng** 113:307–314
- Mótyán, J.A., Tóth, F., Tózsér, J. 2013. Research Applications of Proteolytic Enzymes in Molecular Biology. **Biomolecules** 2013, 3, 923-942; doi:10.3390
- Munn, C. 2011. **Marine Microbiology: Ecology and Applications.** 2nd Ed. New York: Garland Science, Taylor & Francis Group, LLC.

- Poernomo, B. 2005. **Dasar-Dasar Mikrobiologi.** PS. IHPT. Fakultas Pertanian Universitas Bengkulu.
- Purwantisari, S., Hastuti, R.B. 2009. Isolasi dan Identifikasi Jamur Indigenous Rhizosfer Tanaman Kentang dari Lahan Pertanian Kentang Organik di Desa Pakis, Magelang. **Bioma**, Vol. 11, No. 2, Hal. 45-53
- Rao, M.B., Aparna, M.T., Ghatge, M.S., Vasanti, V. 1998. Molecular and Biotechnological Aspects of Microbial Proteases Deshpande. **Microbiol. Mol. Biol. Rev.** 62(3):597.
- Rashad, M.M., Mahmoud, A.E., Al-Kashef, A.S., and Nooman, M.U., 2012. Purification and Characterization of a novel fibrinolytic enzyme by *Candida guilliermondii* grown on sunflower oil cake. **Journal of Applied Sciences Research**, 8 (2): 635-645.
- Rojas, C.M., Senthil-Kumar, M., Wang, K., Ryu, C-M., Kaundal, A., Mysore, K.S. 2012. Glycolate oxidase modulates reactive oxygen species-mediated signal transduction during nonhost resistance in *Nicotiana benthamiana* and *Arabidopsis*. **The Plant Cell**; 24:336–352.
- Rovati, J.L., Delgado, O.D., Figueroa, L.I.C., Farifia, J.I. 2009. A novel source of fibrinolytic activity: *Bionectria sp* an unconventional enzyme-producing fungus isolated from las yungas rainforest (tucuman, argentina). **World J. Microbiol Biotechnol** 26, pp.55-62
- Setiawan, A. 2013. Skrining Agen Fibrinolitik Isolat Bakteri dari Perairan Pantai Papuma Kabupaten Jember. *Skripsi*. Jember: Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Jember
- Su, T., Bao, B., Yan, T., Zhang, C., Bu, Y., Wu, W. 2013. Response surface methodology to optimize marine microbe culture for

producing fungi fibrinolytic compound. **Sheng Wu Gong Cheng Xue Bao.** 29(6):857-61.

Susniahti, N., Nasahi, H.C., Dewi, V.K. 2002 Virulensi jamur entomopatogen *Verticillium Lecanii* (Zimmerman) Viegs terhadap *Myzus Persicae* Sulzer (*Homoptera* ; *Aphididae*) Pada tanaman cabai merah (*capsicum annum* l) **di rumah kaca.** Lembaga Penelitian Universitas Padjajaran.

Sun, Y., Yi, X., Peng, M., Zeng, H., Wang, D., Li, B., Tong, Z., Chang, L., Jin, X., Wang, X. 2014. Proteomics of *Fusarium oxysporum* Race 1 and Race 4 Reveals Enzymes Involved in Carbohydrate Metabolism and Ion Transport That Might Play Important Roles in Banana Fusarium Wilt. **PLoS One;** 9(12): e113818

Ueda, M., Kubo, T., Miyatake, K., Nakamura, T. 2007. Purification and characterization of fibrinolytic alkaline protease from *Fusarium* sp. BLB. **Applied Microbiology & Biotechnology,** Vol.74, No.2, pp. 331-338.

Vermelho, A.B., Meirelles, M.N.L., Lopes, A., Petinate, S.D.G., Chaia, A.A., Branquinha, M.H. 1996. Detection of Extracellular Proteases from Microorganisms on Agar Plates. **Mem Inst Oswaldo Cruz,** Rio de Janeiro, Vol. 91(6): 755-760

Vijayaraghavan, P., Vincent, S.G.P. 2014. Statistical optimization of fibrinolytic enzyme production by *Pseudoalteromonassp. IND11* using cow dung substrate by response surface methodology. **Springerplus.** 3: 60

Watanabe, T. 2002. ***Pictorial atlas of soil and seed fungi: morphologies of cultured fungi and key to species.*** 2nd Ed, Florida: CRC Press LLC.

World Health Organization. 2011. *Global Atlas on Cardiovascular Disease Prevention and Control*. World Health Organization

Wu, B., Xu, J. 2012. Antithrombotic effect of a novel protein from *Fusarium* sp. CPCC 480097 in a rat model of artery-vein bypass thrombosis. **Pharmaceutical Biology**; Volume 50, Issue 7. pages 866-870

Xiao-lan, L., Lian-xiang, D., Fu-ping, L., Xi-qun, Z., and Jing, X., 2005. Purification and characterization of a novel fibrinolytic enzyme from *Rhizopus chinensis* 12. **Appl Microbiol Biotechnol**, 67, pp. 209-214.

Xing W., Wen-hui, W., Li-chun, S., Zhi-hua C., Jie, S., Bin, B. 2012. Isolation of Fibrinolytic Active Compound from Marine Fungi and Initial Identification of the Strain. **Natural Product Research & Development**; Vol. 24 Issue 1, p57

Xu, H., Stamova, B., Jickling, G., Tian, Y., Zhan, X., Ander, B.P., Liu, D., Turner, R., Rosand, J., Goldstein, L.B., Furie, K.L., Verro, P., Johnston, S.C., Sharp, F.R., Decarli, C.S. 2010. Distinctive RNA expression profiles in blood associated with white matter hyperintensities in brain. *Stroke* 41:2744-2749.

Yoshiko, U., Hirokazu, U., Masaki, I., Tadashi, H. 2011. Highly Potent Fibrinolytic Serine Protease from *Streptomyces*, **Enzyme and Microbial Technology** 48 (2011) 7–12.