

DAFTAR PUSTAKA

- Amir, A., M.Z. Sedik and E. Morsy. 2015. Yeasts as a Promising Tool for Microbial Oil Production. *Middle East Journal of Agriculture Research*. 4 (2) : 225 - 226
- Andrea Kodym, 2003 – Physical and chemical mutagenesis. In: *Plant Functional Genomics. Methods in Molecular Biology*. Vol. 236, III 189-203
- Ariyadi, T. dan S. S. Dewi. 2009. Pengaruh sinar ultraviolet terhadap pertumbuhan bakteri *Bacillus* sp. sebagai bakteri kontaminan. *Jurnal Kesehatan* 2(2): 20-25.
- Ariyadi, T. dan S. S. Dewi. 2009. Pengaruh sinar ultraviolet terhadap pertumbuhan bakteri *Bacillus* sp. sebagai bakteri kontaminan. *Jurnal Kesehatan* 2(2): 20-25.
- Attfield, P.. 1997. Stress tolerance: the key to effective strains of industrial baker's yeast. *Nat. Biotechnol.* 15(13):1351-1357.
- Brandao, R.G., J.C. Camara Rosa, J.R. Nicoli, M.V.S. Almeida, A.P. do Carmo, H.T. Queiros, and I.M. Castro. 2014. Investigating acid stress response in different *Saccharomyces* strains. Review Article. *Journal of Mycology*. 2014: 1 – 9.
- Campbell, N.A., Reece, J.B., & Mitchell, L.G. (2003). *Biologi*. Jilid 2. Edisi Kelima. Alih Bahasa: Wasmen. Jakarta: Penerbit Erlangga
- Caspeta, L., T. Castillo, and J. Nielsen. 2015. Modifying yeast tolerance to inhibitory conditions of ethanol production processes. *Frontiers in Bioeng. and Biotech.* 3: 1 – 15.
- Danner, H. and R. Braun, 1999. Biotechnology for The Production of Commodity Chemicals from Biomass. *Chem. Soc. Rev.*, , 28: 395–405
- Datar, R. P., R. M. Shenkman, B. G. Cateni, R. L. Huhnke, R. S. Lewis. 2004. Fermentation of biomass-generated producer gas to ethanol. *Biotechnology and Bioengineering*. 86 (5):587–594.
- Dellweg, H.1983. *Biotechnology Volume III*. Academic Press, New York.
- Dickinson, J.R and Schweizer, M. 2004. *The Metabolism and Molecular Physiology of Saccharomyces cerevisiae*. Taylor and Francis Inc,; London. p. 480.
- Fairbanks, D. J. and W. R. Andersen. 1999. *Genetics The continuity of life*. Brooks/Cole Pub. Cornell University. 820

- Feldmann, H. 2011. *Yeast: Molecular and Cell Biology*. John Wiley & Sons
- Gombert, A.K. and A.J.A. van Maris. 2015. Improving conversion yield of fermentable sugars into fuel ethanol in 1st generation yeast-based production processes. *Biotechnology* 33:81–86.
- Goodarzi, A. (2016). UV-induced mutagenesis in lactic acid bacteria. *International Journal of Genetics and Genomics*,(1), 1-4. doi: 10.11648/j.ijgg.20160401.11.
- Gu,H., Jian, Z., Jie, B., Inhibitor analysis and adaptive evolution of *Saccharomyces cerevisiae* for simultaneous saccharification and ethanol fermentation from industrial waste corncob residues. *Bioresource Technology*. 2014, 157:6-13
- Gumilan, A.S. 2001. Perbaikan galur *Bacillus* sp. 58 penghasil protease alkalin termostabil melalui mutagenesis sinar ultraviolet. Diakses melalui <http://repository.ipb.ac.id/bitstream/handle/123456789/12932/G01asg.pdf> pada tanggal 12 Juni 2020
- Hemmati, N., Lightfoot, D. A., dan Fakhoury, A. 2012. A mutated yeast strain with enhanced ethanol production efficiency and stress tolerance. *Atlas Journal of Biology* 2(2): 100-115
- Ismail, A.A. and M.M Ali. 1971. Selection of high ethanol yielding *Saccharomyces I.* ethanol tolerance and the effect of training in *Saccharomyces cerevisiae* Hansen. *Folia Microbiology*. 16 : 346-369.
- ITIS. *Kluyveromyces marxianus* (E. C. Hansen) Van der Walt 1971. Diakses di https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=194118#null pada 1 Maret 2019.
- Julaeha, E. S. Rustiyaty. N.N Fahri. F. Ramdhani. Reres T. G. 2016. Pemanfaatan Tepung Gadung (*Dioscorea hispida* Dennst.) pada Produksi Amilase Menggunakan *Bacillus* sp. *Fortech*. 1(1): 45-52
- Juwita, R. 2012. *Studi Produksi Alkohol dari Tetes Tebu (Saccharum officinarum L.) Selama Proses Fermentasi*. Skripsi Program Studi Keteknik Pertanian Jurusan teknologi Pertanian Fakultas Pertanian Universitas Hasanuddin Makassar. Makassar. pp. 3-16.
- Kurtzman, C.P., Fell, J.W., and Boekhout, T. 2011. *The Yeast, A Taxonomic Study:Fifth Edition*. Elsevier. New York. p.3.
- Ma, M. and Liu,L. 2010. Mechanism of Ethanol Tolerance in *Saccharomyces cerevisiae*. *Appl. Microbiol Biotechnol*. 87:829-845.
- Nasir M., 2002. *Bioteknologi Molekuler Teknik Rekayasa Genetika Tanaman*. PT.Citra Aditya Bakti. Bandung

- Oura, E. 1983. Reaction Products of Yeast Fermentation. *Di dalam* H. Dellweg (ed.) *Biotechnology Volume III*. Academic Press, New York.
- Parekh, S., Vinci, V.A. & Strobel, R.J. (2000). Improvement of microbial strains and fermentation processes. *Applied Microbiology and Biotechnology*, 54(3), 287-301.
- Pelczar, M.J., and Chan, E.C., 1986. Dasar-dasar Mikrobiologi, (Penterjemah Hadioetomo, R.S., Imas, T., Tjitrosomo, S.S., dan Angka S.L. Universitas Indonesia, Jakarta. 409.
- Pitnaken, J.P., Rintala, E., Aristidou, A., Rouhonen, L dan Penttila, M., 2005, Xylose Chemostat Isolats of *Sacharomyces Cerevisiae* show altered metabolite and enzyme levels compared with xylose, glucane, and ethanol metabolism of the original strain. *Appl Microbiol Biotechnol*, 67:827-837.
- Prescott S.C., C.G. Dunn, 1981. *Industrial Microbiology*. Mc.Graw – Hill Book Co. Ltd. New York
- Reece, J.B., Urry, L.A., Cain, M Wasserman, S.A., Minorsky, P.V., Jackson, P.B. 2011. *Campbell Biology: Ninth Edition*. Benjamin Cummings. New York. p.177-179.
- Riyanti, E.I., 2009. Biomassa Sebagai Bahan Baku Bioetanol. *Jurnal Litbang Pertanian*, 28: 101-110.
- Rowlands, R.T. 1984. Industrial strain improvement: Mutagenesis and random screening procedures. *Enzyme and Microbial Technology*, Volume 6, Issue 1, Pages 3-10
- Rustiatty, Banon. 2017. Optimalisasi sel *Saccharomyces cerevisiae* untuk meningkatkan produktivitas dan efisiensi industri etanol. *Jurnal Teknologi & Industri Hasil Pertanian* Vol. 23 No.2: 97-102
- Saxena, S. 2015. Strategies of strain improvement of industrial microbes. *Applied Microbiology*, pp. 155-171. DOI: 10.1007/978-81-322-2259-0.
- Sebayang, F. 2006. Pembuatan etanol dari melase secara fermentasi menggunakan sel *Saccharomyces cerevisiae* yang terimobilisasi pada kalsium alginat. *Jurnal Teknologi Proses*. 5(2) Juli 2006: 75-80.
- Sepriani, E., E., Isolasi dan Identifikasi *Saccharomyces cerevisiae* yang diperoleh dari PG-PS Madukismo Yogyakarta yang digunakan dalam Proses fermentasi Alkohol. *Skripsi*. 2009. Universitas Sanata Dharma Yogyakarta
- Siagian, E.G., 1990. Aktivitas Irradiasi Permentasi Khamir *Saccharomyces cerevisiae*, (Diakses melalui <http://digilib.batan.go.id/e->

prosiding/File%20Prosiding/Pertanian_Peternakan/Apl_Isotop_1990/Dat
a_Artikel/EG_Siagian_635.pdf pada tanggal 12 Juni 2020

- Stewart, G. G. 2014. “*Saccharomyces cereviceae*” . *Encyclopedia of Food Microbiology* 2(1): 309-315.
- Sunaryanto,R dan Berti,H.H. 2015. Penentuan Kombinasi Medium Terbaik Galaktosa Dan Sumber Nitrogen Pada Proses Produksi Etanol. *Bioteknologi Biosains Indonesia – Vol 2 No 1 Thn 2015 Hal 20-26*
- Walker, G. M. 1998. *Yeast Physiology and Biotechnology*. John Wiley & Son. Chicester.
- Yamada S, Suzuki Y, Suzuki T, et al. Haemagglutinin Mutations Responsible for The Binding of H5n1 Influenza a Viruses to Human-Type Receptors. *Nature*. 2006; 444:378- 382.
- Yusma. 1999. Pemanfaatan Limbah Molase Dalam Pembuatan Etanol Secara Fermentasi. *Media Badan Litbang Kesehatan Depkes RI*. 9(3). 1999.