

DAFTAR PUSTAKA

- Alexander, M.A., & T.W. Jeffries. (1990). Respiratory Efficiency and Metabolize Partitioning as Regulatory Phenomena in Yeast. *Enzyme Microb. Technol.* 12:2-29
- Alsuham, H., Vojisavljevic, V., & Pirogova, E. (2013). Effects of non-thermal microwave exposures on the proliferation rate of *Saccharomyces cerevisiae* yeast. *IFMBE Proceedings*, 39 *IFMBE*(January 2012), 48–51. https://doi.org/10.1007/978-3-642-29305-4_14
- Alvarez, H. M., & Steinbüchel, A. (2002). Triacylglycerols in prokaryotic microorganisms. *Applied Microbiology and Biotechnology*, 60(4), 367–376. <https://doi.org/10.1007/s00253-002-1135-0>
- Anjani, K. D., & Ilmi, M. (2018). Penapisan Isolat Khamir Oleaginous dari Nektar Bunga dan Madu Hutan. *Jurnal Mikologi Indonesia*, 2(2), 99. <https://doi.org/10.46638/jmi.v2i2.42>
- Arous, F., Triantaphyllidou, I. E., Mechichi, T., Azabou, S., Nasri, M., & Aggelis, G. (2015). Lipid accumulation in the new oleaginous yeast *Debaryomyces etchellsii* correlates with ascosporeogenesis. *Biomass and Bioenergy*, 80, 307–315. <https://doi.org/10.1016/j.biombioe.2015.06.019>
- Carioca, J. O. B., & Leal, M. R. L. V. (2011). Ethanol Production from Sugar-Based Feedstocks. In *Comprehensive Biotechnology, Second Edition* (Second Edi, Vol. 3). Elsevier B.V. <https://doi.org/10.1016/B978-0-08-088504-9.00184-7>
- Christophe, G., Kumar, V., Nouaille, R., Gaudet, G., Pandey, A., Soccol, C. R., & Larroche, C. (2012). *Recent Developments in Microbial Oils Production: a Possible Alternative to Vegetable Oils for Biodiesel Without Competition with Human Food ?* 55(February), 29–46.
- Deshavath, N. N., Mukherjee, G., Goud, V. V., Veeranki, V. D., & Sastri, C. V. (2020). Pitfalls in the 3, 5-dinitrosalicylic acid (DNS) assay for the reducing sugars: Interference of furfural and 5-hydroxymethylfurfural. *International Journal of Biological Macromolecules*, 156, 180–185. <https://doi.org/10.1016/j.ijbiomac.2020.04.045>
- Donzella, S., Cucchetti, D., Capusoni, C., Rizzi, A., Galafassi, S., Chiara, G., &

- Compagno, C. (2019). Engineering cytoplasmic acetyl-CoA synthesis decouples lipid production from nitrogen starvation in the oleaginous yeast *Rhodospiridium azoricum*. *Microbial Cell Factories*, 18(1), 1–10. <https://doi.org/10.1186/s12934-019-1250-6>
- Dutta, A., & Sarkar, S. (2015). Sequencing Batch Reactor for Wastewater Treatment: Recent Advances. *Current Pollution Reports*, 1(3), 177–190. <https://doi.org/10.1007/s40726-015-0016-y>
- Feldmann, H. (2012). Yeast: Molecular and Cell Biology: Second Edition. In *Yeast: Molecular and Cell Biology: Second Edition*. <https://doi.org/10.1002/9783527659180>
- Gientka, I., Kieliszek, M., Jermacz, K., & Błazejak, S. (2017). Identification and Characterization of Oleaginous Yeast Isolated from Kefir and Its Ability to Accumulate Intracellular Fats in Deproteinized Potato Wastewater with Different Carbon Sources. *BioMed Research International*, 2017. <https://doi.org/10.1155/2017/6061042>
- Gill, C. O., Hall, M. J., & Ratledge, C. (1977). Lipid accumulation in an oleaginous yeast (*Candida 107*) growing on glucose in single stage continuous culture. *Applied and Environmental Microbiology*, 33(2), 231–239. <https://doi.org/10.1128/aem.33.2.231-239.1977>
- H, S., P, T. H., L, D. P., L, D. N., TT, T. H., & K, B. (2018). Effect of Time, C/N Ratio and Molasses Concentration on *Saccharomyces cerevisiae* Biomass Production. *Journal of Veterinary and Animal Research*, 1(1), 1–7. <https://doi.org/10.18875/2639-7315.1.104>
- Huang, C., Luo, M. T., Chen, X. F., Qi, G. X., Xiong, L., Lin, X. Q., Wang, C., Li, H. L., & Chen, X. De. (2017). Combined “de novo” and “ex novo” lipid fermentation in a mix-medium of corncob acid hydrolysate and soybean oil by *Trichosporon dermatis*. *Biotechnology for Biofuels*, 10(1), 1–11. <https://doi.org/10.1186/s13068-017-0835-8>
- Huang, X. feng, Shen, Y., Luo, H. juan, Liu, J. nan, & Liu, J. (2018). Enhancement of extracellular lipid production by oleaginous yeast through preculture and sequencing batch culture strategy with acetic acid. *Bioresource Technology*, 247(July 2017), 395–401. <https://doi.org/10.1016/j.biortech.2017.09.096>

- Hulin, M., & Wheals, A. (2014). Rapid identification of *Zygosaccharomyces* with genus-specific primers. *International Journal of Food Microbiology*, 173, 9–13. <https://doi.org/10.1016/j.ijfoodmicro.2013.12.009>
- Jiru, T. M., Steyn, L., Pohl, C., & Abate, D. (2018). Production of single cell oil from cane molasses by *Rhodotorula kratochvilovae* (syn, *Rhodosporidium kratochvilovae*) SY89 as a biodiesel feedstock. *Chemistry Central Journal*, 12(1), 1–7. <https://doi.org/10.1186/s13065-018-0457-7>
- Khatiwada, D., Venkata, B. K., Silveira, S., & Johnson, F. X. (2016). Energy and GHG balances of ethanol production from cane molasses in Indonesia. *Applied Energy*, 164, 756–768. <https://doi.org/10.1016/j.apenergy.2015.11.032>
- Learmonth, R. (2016). *Fermentation performance of the yeast Saccharomyces cerevisiae in media with high sugar concentration in media with high sugar concentration*. 2011(November 2011), 379–385.
- Liu, J., Yuan, M., Liu, J. N., Lu, L. J., Peng, K. M., & Huang, X. F. (2016). Microbial conversion of mixed volatile fatty acids into microbial lipids by sequencing batch culture strategy. *Bioresource Technology*, 222, 75–81. <https://doi.org/10.1016/j.biortech.2016.09.100>
- Liu, Z. J., Liu, L. P., Wen, P., Li, N., Zong, M. H., & Wu, H. (2015). Effects of acetic acid and pH on the growth and lipid accumulation of the oleaginous yeast *Trichosporon fermentans*. *BioResources*, 10(3), 4152–4166. <https://doi.org/10.15376/biores.10.3.4152-4166>
- McBirney, S. E., Trinh, K., Wong-Beringer, A., & Armani, A. M. (2016). Wavelength-normalized spectroscopic analysis of *Staphylococcus aureus* and *Pseudomonas aeruginosa* growth rates. *Biomedical Optics Express*, 7(10), 4034. <https://doi.org/10.1364/boe.7.004034>
- Miyashita, K. (2017). Polyunsaturated lipid oxidation in aqueous systems. In *Food Lipids: Chemistry, Nutrition, and Biotechnology, Fourth Edition*. <https://doi.org/10.1201/9781315151854>
- Mohammed, D., Zaher, F., Hassan, E., Maksoud, H., & Ramadan, E. (2018). Factors Affecting Microbial Oil Accumulation by Oleaginous Yeast. *Annual Research & Review in Biology*, 23(2), 1–12. <https://doi.org/10.9734/arrb/2018/38425>

Myers, J. A., Curtis, B. S., & Curtis, W. R. (2013). *Converter OD g biomass.pdf*.

Noble, M., & Pröschel, C. (2020). The many roles of c1q. *eLife*, 9, 1–3.

<https://doi.org/10.7554/ELIFE.61599>

Pfeiffer, T., & Morley, A. (2014). An evolutionary perspective on the Crabtree effect. *Frontiers in Molecular Biosciences*, 1(OCT), 1–6.

<https://doi.org/10.3389/fmolb.2014.00017>

Poitrenaud, B. (2005). Yeast. In *Handbook of Food Science, Technology, and Engineering - 4 Volume Set*. <https://doi.org/10.2307/j.ctvbnm41m.11>

Rakicka, M., Lazar, Z., Dulermo, T., Fickers, P., & Nicaud, J. M. (2015). Lipid production by the oleaginous yeast *Yarrowia lipolytica* using industrial by-products under different culture conditions. *Biotechnology for Biofuels*, 8(1), 1–10. <https://doi.org/10.1186/s13068-015-0286-z>

Ratledge, C., & Wynn, J. P. (2002). The biochemistry and molecular biology of lipid accumulation in oleaginous microorganisms. *Advances in Applied Microbiology*, 51, 1–52. [https://doi.org/10.1016/S0065-2164\(02\)51000-5](https://doi.org/10.1016/S0065-2164(02)51000-5)

Saksinchai, S., Suzuki, M., Chantawannakul, P., Ohkuma, M., & Lumyong, S. (2012). A novel ascosporeogenous yeast species, *Zygosaccharomyces siamensis*, and the sugar tolerant yeasts associated with raw honey collected in Thailand. *Fungal Diversity*, 52, 123–139. <https://doi.org/10.1007/s13225-011-0115-z>

Salsabila, R., & Ilmi, M. (2021). Lipid production from *Zygosaccharomyces siamensis* AP1 using sequencing batch method with acetic acid as carbon source. *IOP Conference Series: Earth and Environmental Science*, 743(1). <https://doi.org/10.1088/1755-1315/743/1/012096>

Samaniego-Sánchez, C., Marín-García, G., & Quesada-Granados, J. J. (2020). A new fermented beverage from sugarcane (*Saccharum officinarum* L.) molasses: Analysis of physicochemical properties and antioxidant capacity, and comparison with other industrial alcohol products. *Lwt*, 128(April), 109505. <https://doi.org/10.1016/j.lwt.2020.109505>

Schenk, P. M., Thomas-Hall, S. R., Stephens, E., Marx, U. C., Mussnug, J. H., Posten, C., Kruse, O., & Hankamer, B. (2008). Second Generation Biofuels: High-Efficiency Microalgae for Biodiesel Production. *BioEnergy Research*,

I(1), 20–43. <https://doi.org/10.1007/s12155-008-9008-8>

Sha, Q. (2013). A comparative study on four oleaginous yeasts on their lipid accumulating capacity. *Faculty of natural resources and agricultural sciences*, 6(8), 1–32.

Shields-Menard, S. A., Amirsadeghi, M., French, W. T., & Boopathy, R. (2018). A review on microbial lipids as a potential biofuel. *Bioresource Technology*, 259, 451–460. <https://doi.org/10.1016/j.biortech.2018.03.080>

Singh, G., Sinha, S., Kumar, K. K., Gaur, N. A., Bandyopadhyay, K. K., & Paul, D. (2020). High density cultivation of oleaginous yeast isolates in ‘mandi’ waste for enhanced lipid production using sugarcane molasses as feed. *Fuel*, 276(November 2019), 118073. <https://doi.org/10.1016/j.fuel.2020.118073>