

DAFTAR PUSTAKA

- Arahal, D. R., Garcia, M. T., Vargas, C., Canovas, D., Nieto, J. J., dan Ventosa, A. 2001. *Chromohalobacter salexigens* sp. nov., a moderately halophilic species that includes *Halomonas elongata* DSM 3043 and ATCC 33174. *International Journal of Systematic and Evolutionary Microbiology*, 51(4), 1457–1462.
- Ashida, H., Saito, Y., Nakano, T., Tandeau De Marsac, N., Sekowska, A., Danchin, A., dan Yokota, A. 2008. RuBisCO-like proteins as the enolase enzyme in the methionine salvage pathway: Functional and evolutionary relationships between RuBisCO-like proteins and photosynthetic RuBisCO. *Journal of Experimental Botany*, 59(7), 1543–1554.
- Badger, M. R., Hanson, D., dan Price, G. D. 2002. Evolution and diversity of CO₂ concentrating mechanisms in cyanobacteria. *Functional Plant Biology*, 29(2–3), 161–173.
- Baneyx, F., dan Mujacic, M. 2003. Cold-inducible promoters for heterologous protein expression. *Methods in Molecular Biology*, 205, 1–18.
- Baneyx, F., dan Mujacic, M. 2004. Recombinant protein folding and misfolding in *Escherichia coli*. *Nature Biotechnology*, 22(11), 1399–1408.
- Campbell, N. A., dan Reece, J. B. 2000. Biologi. Erlangga, Jakarta.
- Clark, D. P., dan Pazdernik, N. J. 2013. *Molecular Biology Second Edition*. Academic Press-Cell, Cambridge.
- Cohen, D. 2002. *Cloning*. Millbrook Press.
- Erb, T. J., dan Zarzycki, J. 2018. A short history of RubisCO: the rise and fall (?) of Nature's predominant CO₂ fixing enzyme. *Current Opinion in Biotechnology*, 49, 100–107.
- Fang, L., Jiang, W., Bae, W., dan Inouye, M. 1997. Promoter-independent cold-shock induction of *cspA* and its derepression at 37°C by mRNA stabilization. *Molecular Microbiology*, 23(2), 355–364.
- Finn, M. W., dan Tabita, F. R. 2003. Synthesis of catalytically active form III ribulose 1,5-bisphosphate carboxylase/oxygenase in archaea. *Journal of bacteriology*, 185(10), 3049–3059.
- Fitriani, D., Rohman, M. S., dan Prijambada, I. D. 2017. Proteolytic activity of recombinant DegP from *Chromohalobacter salexigens* BKL5. *Electronic Journal of Biotechnology*, 29, 7–12.
- Gupta, R. S., Mukhtar, T., dan Singh, B. 1999. Evolutionary relationships among photosynthetic prokaryotes (*Heliobacterium chlorum*, *Chloroflexus aurantiacus*, cyanobacteria, *Chlorobium tepidum* and proteobacteria):

implications regarding the origin of photosynthesis. *Molecular Microbiology*, 32, 893–906.

- Hanson, T. E., dan Tabita, F. R. 2001. A ribulose-1,5-bisphosphate carboxylase/oxygenase (RuBisCO)-like protein from *Chlorobium tepidum* that is involved with sulfur metabolism and the response to oxidative stress. *Proceedings of the National Academy of Sciences of the United States of America*, 98(8), 4397–4402.
- Hogan, C. M. 2011. *Respiration: Encyclopedia of Earth*. Eds: Mark McGinley and C. J. Cleaveland. Washington DC: National Council for Science and the Environment.
- Ji, G. C., Zheng, B. S., Li, X. Q., Zhu, X. T., dan Jin, S. H. 2016. Kloning and expression analysis of RuBisCO activase genes in *Carya cathayensis*. *Biotechnology and Biotechnological Equipment*, 30(5), 834–841.
- Joseph, B. C., Pichaimuthu, S., Srimeenakshi, S., Murty, M., Selvakumar, K., Ganesan, M., dan Manjunath, S. R. 2015. An Overview of the Parameters for Recombinant Protein Expression in *Escherichia coli*. *Journal of Cell Science and Theraphy*, 6(5), 1–7.
- Kumar, R. 2009. Role of naturally occurring osmolytes in protein folding and stability. *Archives of Biochemistry and Biophysics*, 491(1–2), 1–6.
- Laemmli, U. K. 1970. Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature*, 227(5259), 680–685.
- Mandrigh, L. 2013. DNA Cloning: The History of the Future. *Clon Transgen*, 2(2), 1–4.
- Nierman, W. C., dan Feldblyum, T. V. 2001. *Encyclopedia of Genetics*. Academic Press, Cambridge.
- Oren, A. 2002. Diversity of halophilic microorganisms: Environments, phylogeny, physiology, and applications. *Journal of Industrial Microbiology and Biotechnology*, 28(1), 56–63.
- Paul, S., Bag, S. K., Das, S., Harvill, E. T., dan Dutta, C. 2008. Molecular signature of hypersaline adaptation: Insights from genome and proteome composition of halophilic prokaryotes. *Genome Biology*, 9(4).
- Rohman, M. S., Prijambada, I. D., Indriyani, Y. A., dan Hendrosatriyo, H. 2012. Identification of Protease Producing Halophilic Bacteria from Bledug Kuwu Mud Volcano. *Indonesian Journal of Biotechnology*, 17 (1), 35.
- Rosano, G. L., dan Ceccarelli, E. A. 2014. Recombinant protein expression in *Escherichia coli*: Advances and challenges. *Frontiers in Microbiology*, 5, 1–17.
- Saito, Y., Ashida, H., Sakiyama, T., de Marsac, N. T., Danchin, A., Sekowska, A., dan Yokota, A. 2009. Structural and functional similarities between a ribulose-1,5-bisphosphate carboxylase/oxygenase (RuBisCO)-like protein

from *Bacillus subtilis* and photosynthetic RuBisCO. *Journal of Biological Chemistry*, 284(19), 13256–13264.

Somerville, C. R., dan Somerville, S. C. 1984. Kloning and expression of the *Rhodospirillum rubrum* ribulosebiphosphate carboxylase gene in *E. coli*. *MGG Molecular and General Genetics*, 193(2), 214–219.

Sorensen, H. P., dan Mortensen, K. K. 2005. Soluble expression of recombinant proteins in the cytoplasm of *Escherichia coli*. *Microbial Cell Factories*, 4(1), 1–8.

Stoner, M. T., dan Shively, J. M. 1993. Kloning and expression of the d-ribulose-1,5-bisphosphate carboxylase/oxygenase form II gene from *Thiobacillus intermedius* in *Escherichia coli*. *FEMS Microbiology Letters*, 107(2-3), 287–292.

Tabita, F. R., Hanson, T. E., Li, H., Satagopan, S., Singh, J., dan Chan, S. 2007. Function, structure, and evolution of the RuBisCO-Like Proteins and their RuBisCO homologs. *Microbiology and Molecular Biology Reviews*, 71(4), 576–599.

Tabita, F. R., Hanson, T. E., Satagopan, S., Witte, B. H., dan Kreel, N. E. 2008. Phylogenetic and evolutionary relationships of RuBisCO and the RuBisCO-like proteins and the functional lessons provided by diverse molecular forms. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 363(1504), 2629–2640.

Tourova, T. P., dan Spiridonova, E. M. 2009. Phylogeny and evolution of the ribulose 1,5-bisphosphate carboxylase/oxygenase genes in prokaryotes. *Molecular Biology*, 43(5), 713–728.

Utåker, J. B., Andersen, K., Aakra, A., Moen, B., dan Nes, I. F. 2002. Phylogeny and functional expression of ribulose 1,5-bisphosphate carboxylase/oxygenase from the autotrophic ammonia-oxidizing bacterium *Nitrosospira* sp. isolate 40KI. *Journal of bacteriology*, 184(2), 468–478.

Whitney, S. M., Houtz, R. L., dan Alonso, H. 2011. Advancing our understanding and capacity to engineer nature's CO₂-sequestering enzyme, RuBisCO. *Plant Physiology*, 155(1), 27–35.

Zupan, J., Muth, T.R., Draper, O., dan Zambryski, P. 2000. The transfer of DNA from *Agrobacterium tumefaciens* into plants: A feast of fundamental insights. *Plant Journal*, 23, 11–28.