

## DAFTAR PUSTAKA

- Abdel-Fattah, Yasser R.; Nadia A. Soliman, Nabil M. El Toukhy, Hamada El-Gendi, dan Rania S. Ahmed. 2013. Production, Purification, and Characterization of Thermostable  $\alpha$ -Amylase Produced by *Bacillus licheniformis* Isolate AI20. *Hindawi Journal of Chemistry*. Volume 2013. <https://doi.org/10.1155/2013/673173>
- Al-Hejin, Ahmed Mahmoud; Roop Singh Bora, dan Mohamed Morsi M. Ahmed. 2019. *Plasmids for Optimizing Expression of Recombinant Proteins in E. coli*. Munazza Gull. *Plasmid*. InTech Open: Saudi Arabia
- Andrade, Carolina M.M.C.; Nei Pereira Jr., Garo Antranikian. 1999. Extremely Thermophilic Microorganisms and Their Polymerhydrolytic Enzymes. *Revista de Microbiologia*. Volume 30. Nomor 4. Halaman 287-298
- Anonim. 2010. Champion pET SUMO Protein Expression System. [assets.thermofisher.com](https://assets.thermofisher.com). Diakses pada tanggal 4 Januari 2020 pukul 22.45 WIB
- Anonim. 2012. A Guide to Polyacrylamide Gel Electrophoresis and Detection. [www.bio-rad.com](http://www.bio-rad.com). Diakses pada tanggal 12 April 2020 pukul 08.57 WIB
- Anonim. 2020. Spectra™ Multicolor Broad Range Protein Ladder. [www.sinapsebiotecnologia-loja.com.br](https://www.sinapsebiotecnologia-loja.com.br). Diakses pada tanggal 13 Februari 2020 pukul 23.17 WIB
- Ardhiansyah. 2006. *Isolasi dan Karakterisasi Mikroorganisme Hipertermofilik dari Sumber Air Panas Kawah Dieng, Kawah Domas, Tangkuban Perahu,*

dan Baturaden. Thesis. Program Pascasarjana. Universitas Gadjah Mada.  
Yogyakarta.

Bergkessel, Megan dan Christine Guthrie. 2013. *Colony PCR*. Jon Losch.  
*Methods in Enzymology*. Volume 529. Academic Press: Amsterdam.

Bhatia, Saurabh. 2018. *Introduction to Pharmautical Biotechnology*. Volume 2.  
IOP Publishing: Bristol.

Choi, Tae-jin dan Temesgen Tola Geletu. 2018. High Level Expression and  
Purification of Recombinant Flounder Growth Hormone in *Escherichia*  
*coli*. *Journal of Genetic Engineering and Biotechnology*. Volume 16. Issue  
2. Halaman 347-355.

De Mann, John M. 1997. *Kimia Makanan*. Edisi 2. Diterjemahkan oleh: Kosasih  
Padmawinata. Penerbit Institut Teknologi Bandung: Bandung.

Fossum, Cheli. 2012. Enzyme Experiments. [www.laney.edu/cheli-fossum](http://www.laney.edu/cheli-fossum). Diakses  
pada tanggal 12 April 2020 pukul 9.08 WIB.

Gandhi, Sivasangkary; Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman,  
Thean Chor Leaw, dan Siti Nurbaya Oslan. 2015. Expression and  
Characterization of *Geobacillus stearothermophilus* SR74 Recombinant  $\alpha$ -  
Amylase in *Pichia pastoris*. *Hindawi BioMed Research International*.  
Volume 2015. <https://doi.org/10.1155/2015/529059>

Gopinath, Subash C. B.; Periasamy Anbu, M. K. Md Arshad, Thangavel  
Lakshmipriya, Chun Hung Voon, Uda Hashim, dan Suresh V. Chinni.  
2017. *Biotechnological Process in Microbial Amylase Production*.

*Hindawi BioMed Research International*. Volume 2017.

<https://doi.org/10.1155/2017/1272193>.

Griffiths, Anthony J.F. 2019. Recombinant DNA. [www.britannica.com](http://www.britannica.com). Diakses tanggal 7 Januari 2020 pukul 19.48 WIB.

Gusakov, Alexander V., Elena G. Kondratyeva, dan Arkady P. Sinitsyn. Comparison of Two Methods of Assaying Reducing Sugars in Determination of Carbohydrase Activities. *International Journal of Analytical Chemistry*. Volume 2011. <https://doi.org/10.1155/2011/283658>.

Khan, Suliman; Muhammad Wajid Ullah, Rabeea Siddique, Ghulam Nabi, Sehrish Manan, Muhammad Yousaf, dan Hongwei Hou. 2016. Role of Recombinant DNA Technology to Improve Life. *Hindawi International Journal of Genomics*. Volume 2016. <http://dx.doi.org/10.1155/2016/2405954>

Li, Shuang; Xiaofeng Yang, Shuai Yang, Muzi Zhu, dan Xiaoning Wang. 2012. *Technology Prospecting on Enzymes: Application, Marketing and Engineering*. *Computational and Structural Biotechnology Journal*. Nomor 2. Volume 3. Halaman 1-11.

Liu, Shijie. 2017. *Bioprocess Engineering*. Elsevier: Amsterdam.

Lodish, Harvey; Arnold Berk, S. Lawrence Ziputsky, Paul Matsudaira, David Baltimore, dan James Darnell. 2000. *Molecular Cell Biology*, 4<sup>th</sup> Edition. W.H. Freeman: New York.

Lopez-Lopez, Olalla; Maria-Esperanza Cerdan, dan Maria-Isabel Gonzalez-Siso.

2015. *Thermus thermophilus* as a Source of Thermostable Lipolytic Enzymes. *Microorganisms*. Volume 3. Nomor 4. Halaman 792-808.

Pearson, William R. 2013. An Introduction to Sequence Similarity (“Homology”) Searching. *Current Protocol Bioinformatics*. Volume 2013. <https://doi.org/10.1002/0471250953.bi0301s42>

Pratiwi, Y.H.; O. Ratnayani, dan I.N. Wirajana. 2018. Perbandingan Uji Gula Pereduksi Dalam Penentuan Aktivitas  $\alpha$ -L-Arabinofuranosidase dengan Substrat Janur Kelapa (*Cocos nucifera*). *Jurnal Kimia*. Nomor 12. Volume 2. Halaman 134-139.

Ravi-Kumar, K. dan S. Umesh-Kumar. 2005. *Bioprocessing of Starch Using Enzyme Technology*. Kalidas Shetty, Gopinadhan Paliyath, Anthony Pometto, dan Robert E. Levin. *Food Biotechnology*. Edisi 2. CRC Press: Boca Raton.

Rosano, German L. dan Eduardo A. Ceccarelli. 2014. Recombinant Protein Expression in *Escherichia coli*: Advances and Challenges. *Frontiers in Microbiology*. Volume 5. Halaman 1-17.

Truong, Lena; Kirk E. Henever, Amy J. Rice, Kavankumar Patel, Michael E. Johnson, dan Hyun Lee. 2013. High-Level Expression, Purification, and Characterization of *Staphylococcus aureus* dihydroorotase (PyrC) as a Cleavable His-SUMO Fusion. *Protein Expression and Purification*. Volume 88. Issue 1. Halaman 98-106.

- Saini, Ritu; Harnek Singh Saini, dan Anjali Dahiya. 2017. Amylases: Characteristics and Industrial Applications. *Journal of Pharmacognosy and Phytochemistry*. Nomor 6. Volume 4. Halaman 1865-1871.
- Schmidt, Thomas M. 2019. *Encyclopedia of Microbiology*, 4<sup>th</sup> Edition. Volume 2. Academic Press: Amsterdam.
- Sharma, Sunny; Surbhi Vaid, Bilqeesa Bhat, Satbir Singh, dan Bijender Kumar Bajaj. 2019. *Thermostable Enzymes for Industrial Biotechnology*. Ram Sarup Singh, Reeta Rani Singhanian, Ashok Pandey, Christian Larroche. *Advances in Enzyme Technology 1<sup>st</sup> Editon*. Elsevier: Amsterdam.
- Susilawati, Ika Oksi; Umami Mardhiah Batubara, dan Hesti Riany. 2015. Analisis Aktivitas Enzim Amilase yang Berasal dari Bakteri Tanah di Kawasan Universitas Jambi. *Prosiding Semirata 2015 Bidang MIPA BKS-PTN Barat*. Pontianak.
- Tomasik, Piotr dan Derek Horton. 2012. *Enzymatic Conversions of Starch*. Derek Horton. *Advances in Carbohydrate Chemistry and Biochemistry*. Academic Press: Oxford.
- Yunianta, Tri Sulisty, Aprilastuti, Teti Astiasih, dan Siti Narsito Wulan. 2010. Hidrolisis Secara Sinergis Pati Garut (*Marantha arundinaceae* L.) oleh Enzim  $\alpha$ -amilase, Glukoamilase, dan Pullulanase. *Jurnal Teknologi Pertanian*. Volume 11. Nomor 2. Halaman 78-86.