DAFTAR PUSTAKA

Abdoulaye, A., A.D. Noumavo, D. Nouvlessounon, M.A. Ohin, H. Bayraktar, F.T. Bade, H.S. Bankole, L.B. Moussa, and F.B. Moussa. 2023. Purification of *Moringa oleifera* leaves protease by three-phase partitioning and investigation of its potential antibacterial activity. AM. J. Plant Sci.14(1):64-76.

Anthis, N. J and G. M. Clore. 2013. Sequence-specific determination of protein and peptide concentrations by absorbance at 205 nm. Prot. Sci. 22(6): 851–858.

Bhuyan, A.K. Protein stabilization by urea and guanidine hydrochloride. 2002. Biochemistry 41: 13386-13394.

Bose, K. 2022. Textbook on Cloning, Expression, and Purification of Recombinant Proteins. Springer, Mumbai.

Buccitelli, C. and M. Selbach. 2020. mRNAs, proteins, and the emerging principles of gene expression control. Nat. Rev. Genet. 21(10):630-644.

Coskun, O. 2016. Separation techniques: chromatography. North. Clin. Istanbul 3(2):156-600.

Cotter, L., F. Roqueviere, S. D. Lamotte, J. Krupp, J. M. Dong, and C. Nicoleau. 2023. Split luciferase-based assay to detect botulinum neurotoxins using hipsc-derived motor neurons. Commun. Biol. 6(1):122.

Dasila, H., S. Joshi, and S. Ramola. 2023. Soil Microbial Enzymes and Their Importance, Significance, and Industrial Applications. In Industrial Applications of Microbial Enzymes. CRC Press, Boca Raton.

Davis D.G., O.V. Escareno, M.V. Trujillo, M.A. Gama, P.K. Chauhan, and V.R. Duhalt. 2023. Virus-like nanoparticles as enzyme carriers for enzyme replacement therapy. Virol. J. 580:73-87.

Deeva, A.A., E.A. Temlyakova, A.A. Sorokin, E.V. Nemtseva, and V.A. Kratasyuk. 2016. Structural distinctions of fast and slow bacterial luciferases revealed by phylogenetic analysis. Bioinformatics 32(20):3053-3057.

Deng, Y., Q. Zhou., Y. Wu., X. Chen, and F. Zhong. 2022. properties and mechanisms of flavin-dependent monooxygenases and their applications in natural product synthesis. Int. J. Mol. Sci. 23(5): 2622.

Devlin, T., P.J. Fleming, N. Loza, and K.G. Fleming. 2023. Generation of unfolded outer membrane protein ensembles defined by hydrodynamic properties. Eur. Biophys. 1:1-11.

Dockrey, S.A.B. and A.R. Narayan. 2019. Flavin-dependent biocatalysts in synthesis. Tetrahedron Lett. 75(9):1115-1121.

Fatoni, R. 2022. Isolasi, Kloning, dan Ekspresi *Open Reading Frame Luciferase-Like Enzyme* Tipe 5. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.

Huleani, S., M.R. Roberts, L. Beales, and E.H. Papaioannou. 2022. *Escherichia coli* as an antibody expression host for the production of diagnostic proteins: significance and expression. Crit. Rev. Biotechnol. 42(5):756-773.

Ji, X., J. Tu., Y. Song., C. Zhang., L. Wang., Q. Li, and J. Ju. 2020. A luciferase-like monooxygenase and flavin reductase pair Abme2/Abmz catalyzes baeyer–villiger oxidation in neo abyssomicin biosynthesis. ACS Catal. 10(4): 2591-2595.

Kachhawaha, K., S. Singh, K. Joshi, P. Nain, and S.K. Singh. 2022. Bioprocessing of recombinant proteins from *Escherichia coli* inclusion bodies: insights from structure-function relationship for novel applications. Prep. Biochem. 1:1-25.

Khan, S., S.Siraj, M. Shahid, M.M. Haque, and A. Islam. 2023. Osmolytes: wonder molecules to combat protein misfolding against stress conditions. Int. J. Biol. Macromol. 234:1-13.

Khayyat, A.I.A., S. Zargar, T.A. Wani, M.U. Rehman, and A.A. Khan. 2022. Association mechanism and conformational changes in trypsin on its interaction with atrazine: a multi-spectroscopic and biochemical study with computational approach. Int. J. Mol. Sci. 23(10):5636.

Kojouri, P.S., R. Ghasemi, S.R. Varnosfaderani, K. Dormiani, and M. Esfahani. 2023. Resolving the challenge of insoluble production of mature human growth differentiation factor 9 protein in E. coli using bicistronic expression with thioredoxin. Int. J. Biol. Sci. 230:1-13.

Liu, P., L.V.Avramova, and C. Park. 2009. Revisiting absorbance at 230nm as a protein unfolding probe. Anal. Biochem. 389(2): 165–170.

Modi, A., I. P. Raval, M. Doshi, and M. Joshi. 2023. Heterologous expression of recombinant natto kinase in *Escherichia coli* BL21 (DE3) and media optimization for overproduction of nattokinase. Prot. Exp. and Purif. Elsevier 203:1-15.

Pignataro, M.F., M.G.Herrera, and V.I.Dodero. 2020. Evaluation of peptide/protein self-assembly and aggregation by spectroscopic methods. Molecules 25(4854): 1-35.

Reddy, M.V., and A. Steinbuchel. 2022. Evaluation of the function of a luciferase-like monooxygenase homologue in 4, 4´-dithiodibutyric acid catabolism in *Rhodococcus erythropolis* mi2. Bio. Adv. J. 2(3): 523-532.

Reis, R.A., H. Li, M. Johnson, and P. Sobrado. 2021. New frontiers in flavin-dependent monooxygenases. Arch. Biochem. Biophys. 699:1-12.

Rizi, T.S., A. Ebrahimi, F. Moazzen, H. Yousefian, A.J. Najafabadi. 2019. Improvement of solubility and yield of recombinant protein expression in *E. coli* using a two-step system. Res. Pharam. Sci. 14(5):400-407.

Rizkia, P.R., S. Silaban, K. Hasan, D.S. Kamara, T. Subroto, S.Soemitro, dan I.P. Maksum. 2015. Effect of *isopropyl-β-D-thiogalactopyranoside* concentration on *prothrombin*-2 recombinant gene expression in *Escherichia coli* ER2566. Procedia Chem. 17:118-124.

Romero, E., J.R.G. Castellanos, G. Gadda, M.W. Fraaije, dan A. Mattevi. 2018. Same substrate many reactions oxygen activation in flavoenzymes. Chem. Rev. 118: 1742-1769.

Romero, M.R. and J.R. Carvajal. 2023. Applications of ion exchange resins in protein separation and purification. Mater. Res. 137:1-23.

Rosano, G.L., E.S. Morales, and E.A. Ceccarelli. 2019. New tools for recombinant protein production in *Escherichia coli*: a5-year update. Protein sci. 28(8):1412-1422.

Schenkmayerova, A., M. Toul, D. Pluskal, R. Baatallah, G. Gagnot, G.P Pinto, V.T. Santana, V.T. Stuchla, M. Neugebauer, P. Chaiyen, and J. Damborsky. 2023. Catalytic mechanism for renilla-type luciferases. Nat. Catal. 1(1):1-16.

Starke, R., N. Jehmlich, T. Alfaro, A. Dohnalkova, P. Capek, S.L. Bell, and K.S. Hofmockel. 2019. Incomplete cell disruption of resistant microbes. Sci. Rep. 9(1):5618-5623.

Terol, G.L., J. Gallego-Jara, R.A.S. Martinez, A.M. Vivancos, M.C. Diaz, dan T.D. Puente. 2021. Impact of the expression system on recombinant protein production in *Escherichia coli* BL21. Front. Microbiol. 12: 1-12.

Tolmie, C., M.S. Smita, dan D.J. Opperman. 2018. Native roles of Baeyer villiger monooxygenases in the microbial metabolism of natural compounds. Nat. Prod. Rep. 36(2): 1-28.

Wang, K., Y. Zhang, X. Luo, and J. Sun. 2022. Improving myofibrillar proteins solubility and thermostability in low-ionic strength solution. Meat. Sci. 189:1-12.

Wingfield, P.T. 2015. Overview of the purification of recombinant proteins. Curr. Protoc. Protein. Sci 80(1):6-1.

Wu, S., J. Tian, Z. Tang, Z. Huang, B.D. Hammock, C. Morisseau, Q. Li, and T. Xu. 2023. Development of a Genetically Encoded Magnetic Platform for Protein Purification. Res. Sq. 1:1-25.

Yuan, H., J. Lv, J. Gong, G. Xiao, R. Zhu, L. Li, and J. Qiu. 2018. Secondary structures and their effects on antioxidant capacity of antioxidant peptides in yogurt. Int. J. Food Prop. 21(1): 2167-2180.