

DAFTAR PUSTAKA

- Agency for Toxic Substances and Disease Registry. (2022). Acetone. Retrieved April 20, 2023, from <https://wwwn.cdc.gov/TSP/ToxProfiles/ToxProfiles.aspx?id=5&tid=1>
- Andrew, S. M., Titus, J. A., & Zumstein, L. (2002). Dialysis and concentration of protein solutions. *Current Protocols in Toxicology*, 10(1). DOI:10.1002/0471140856.txa03hs10
- Baig M. U. & Bodle J. (2022). *Thrombolytic Therapy*. Treasure Island: StatPearls Publishing. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK557411/>
- Bhardwaj, S., & Angayarkanni, J. (2014). Streptokinase production from streptococcus dysgalactiae subsp. equisimilis SK-6 in the presence of surfactants, growth factors and trace elements. *3 Biotech*, 5(2), 187–193. DOI:10.1007/s13205-014-0209-x
- Bokarewa, M., Jin, T., & Tarkowski, A. (2006). *Staphylococcus aureus*: Staphylokinase. *The International Journal of Biochemistry & Cell Biology*, 38(4), 504-509. DOI:10.1016/j.biocel.2005.07.005
- Chen, H., McGowan, E. M., Ren, N., Lal, S., Nassif, N., Shad-Kaneez, F., Qu, X. & Lin, Y. (2018). Nattokinase: A promising alternative in prevention and treatment of cardiovascular diseases. *Biomarker Insights*, 13.. DOI:10.1177/1177271918785130
- Crowell, A. M., Wall, M. J., & Doucette, A. A. (2013). Maximizing recovery of water-soluble proteins through acetone precipitation. *Analytica Chimica Acta*, 796, 48-54. DOI:10.1016/j.aca.2013.08.005
- Cytiva. (2023). Membrane filtration: how to choose the appropriate filter material for every sample. Retrieved July, 15th 2023 from [https://www.cytivalifesciences.com/en/us/solutions/lab-filtration/knowledge-center/membrane-filtrationchoosing-the-correct-type-offilter#:~:text=However%2C%20regenerated%20cellulose%20\(RC\),for%20filtering%20protein-containing%20solutions.](https://www.cytivalifesciences.com/en/us/solutions/lab-filtration/knowledge-center/membrane-filtrationchoosing-the-correct-type-offilter#:~:text=However%2C%20regenerated%20cellulose%20(RC),for%20filtering%20protein-containing%20solutions.)
- Dean, L. (2005). *Blood Groups and Red Cell Antigens*. Bethesda, MD: NCBI.
- Devaraj, Y., Rajender, S. K., & Halami, P. M. (2018). Purification and characterization of fibrinolytic protease from *Bacillus amyloliquefaciens* MCC2606 and analysis of fibrin degradation product by MS/MS. *Preparative Biochemistry & Biotechnology*, 48(2), 172-180. DOI:10.1080/10826068.2017.1421964
- Dikson, Victor, H., Jong, D., Sanjaya, A., Samantha, A., Jo, J., & Pinontoan, R. (2022). Whole-genome analysis of *Bacillus subtilis* G8 isolated from natto. *Biodiversitas Journal of Biological Diversity*, 23(3). DOI:10.13057/biodiv/d230313

- Duan, X., Young, R., Straubinger, R. M., Page, B., Cao, J., Wang, H., Yu, H., Canty Jr., J. M. & Qu, J. (2009). A straightforward and highly efficient precipitation/on-pellet digestion procedure coupled with a long gradient nano-LC separation and orbitrap mass spectrometry for label-free expression profiling of the swine heart mitochondrial proteome. *Journal of Proteome Research*, 8(6), 2838-2850. DOI:10.1021/pr900001t
- Elvina. 2019. *Potensi isolat Bacillus sp. sebagai agen fibrinolitik dan antitrombotik*. Bachelor thesis, Universitas Pelita Harapan.
- Fisher Science Education. (2014). *Ammonium Sulfate Safety Data Sheet* [PDF]. Rochester: Fisher Science Education.
- Fredrik, M. 2019. *Identifikasi gen dan karakterisasi enzim α -amilase dari Bacillus subtilis ifp1.1*. Bachelor thesis, Universitas Pelita Harapan.
- Garmo, C., Bajwa, T., & Burns, B. (2020). *Physiology, Clotting Mechanism*. Treasure Island: StatPearls Publishing
- International Chemical Safety Cards. (2009). Acetone. Retrieved April 20, 2023, from https://www.ilo.org/dyn/icsc/showcard.display?p_version=2&p_card_id=0087
- Jap, L., Raharjo, P. F., Elvina, E., Florencia, L., Susanti, A. I. & Pinontoan, R. (2019). Clot lysis activity of *Bacillus subtilis* G8 isolated from Japanese fermented natto soybeans. *Applied Food Biotechnology*, 6: 101-109.
- Jiang, L., He, L., & Fountoulakis, M. (2004). Comparison of protein precipitation methods for sample preparation prior to Proteomic analysis. *Journal of Chromatography A*, 1023(2), 317-320. DOI:10.1016/j.chroma.2003.10.029
- Julqarnain, S. M., Bose, P., Rahman, M. Z., Khatun, M. M., & Islam, M. A. (2022). Bacteriological quality and prevalence of foodborne bacteria in broiler meat sold at live bird markets at Mymensingh City in Bangladesh. *Journal of advanced veterinary and animal research*, 9(3), 405–411. DOI: 10.5455/javar.2022.i608
- Kattula, S., Byrnes, J. R., & Wolberg, A. S. (2017). Fibrinogen and fibrin in hemostasis and thrombosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 37(3). DOI:10.1161/atvbaha.117.308564
- Koontz, L. (2014). TCA precipitation. *Methods in Enzymology*, 3-10. DOI:10.1016/b978-0-12-420119-4.00001-x
- Kurien, B. T., & Scofield, R. H. (2012). Common artifacts and mistakes made in electrophoresis. *Methods in Molecular Biology*, 633-640. DOI:10.1007/978-1-61779-821-4_58
- Longstaff, C. (2018). Measuring fibrinolysis: From research to routine diagnostic assays. *Journal of Thrombosis and Haemostasis*, 16(4), 652-662. DOI:10.1111/jth.13957
- Lucy, J., Raharjo, P. F., Elvina, Florencia, L., Susanti, A. I., & Pinontoan, R. (2019). Clot Lysis Activity of *Bacillus subtilis* G8 Isolated from Japanese Fermented Natto Soybeans. *Applied Food Biotechnology*, 6(2), 101–109. DOI:10.22037/afb.v4i3.15014

- Luo, J., Wu, C., Xu, T., & Wu, Y. (2011). Diffusion dialysis-concept, principle and applications. *Journal of Membrane Science*, 366(1-2), 1-16. DOI:10.1016/j.memsci.2010.10.028
- McDonagh, R. P., McDonagh, J., & Blombäck, B. (1972). Isolation and characterization of the S-carboxymethyl derivatives of crosslinked and noncrosslinked human fibrin. *Proceedings of the National Academy of Sciences*, 69(12), 3648-3652. DOI:10.1073/pnas.69.12.3648
- Abd-El-Hack, M. E., El-Saadony, M. T., Shafi, M. E., Qattan, S. Y., Batiha, G. E., Khafaga, A. F., Abdel-Moneim, A. E., & Alagawany, M. (2020). Probiotics in poultry feed: A comprehensive review. *Journal of Animal Physiology and Animal Nutrition*, 104(6), 1835–1850. DOI:10.1111/jpn.13454
- Nakamura, T., Yamagata, Y. & Ichishima, E. (1992). Nucleotide sequence of The subtilisin NAT gene, *aprN*, of *Bacillus subtilis* (natto). *Biosci Biotechnol Biochem* 56: 1869-1871. DOI:10.1271/bbb.56.1869
- Niu, L., Zhang, H., Wu, Z., Wang, Y., Liu, H., Wu, X., & Wang, W. (2018). Modified TCA/acetone precipitation of plant proteins for proteomic analysis. *PLOS ONE*, 13(12). DOI:10.1371/journal.pone.0202238
- Ohta, E., Miura, Y., & Tozawa, Y. (2008). Fibrin-Agar-Plate Method, a New Method for Estimation of Fibrinolytic Activity. *臨床血液 (Rinshō ketsueki; The Japanese Journal of Clinical Hematology)*. 793-799. 10.11406/rinketsu.13.793.
- Opresko, D. M. (1995). Formal Toxicity Summary for Acetone. Retrieved July 18th, 2023 from <https://rais.ornl.gov/tox/profiles/acetone.html#:~:text=Studies%20have%20shown%20that%20acetone,1993%3B%20ATSDR%2C%201994>).
- Pérez-Rodríguez, S., Ramírez, O. T., Trujillo-Roldán, M. A., & Valdez-Cruz, N. A. (2020). Comparison of protein precipitation methods for sample preparation prior to proteomic analysis of Chinese hamster ovary cell homogenates. *Electronic Journal of Biotechnology*, 48, 86-94. DOI:10.1016/j.ejbt.2020.09.006
- Peng, Y., Yang, X., & Zhang, Y. (2005). Microbial fibrinolytic enzymes: an overview of source, production, properties, and thrombolytic activity in vivo. *Applied Microbiology and Biotechnology*, 69(2), 126–132. DOI:10.1007/s00253-005-0159-7
- Pinontoan, R., Elvina, Sanjaya, A., & Jo, J. (2021). Fibrinolytic characteristics of *Bacillus subtilis* G8 isolated from natto. *Bioscience of Microbiota, Food and Health*, 40(3), 144-149. DOI:10.12938/bmfh.2020-071
- Rengaswamy, D., & Rahim, P. A. (2022). Fibrinolytic enzyme - an overview. *Current Pharmaceutical Biotechnology*, 23(11), 1336-1345. DOI:10.2174/1389201023666220104143113
- Roshal, M. (2013). Laboratory techniques in fibrinolysis testing. *Transfusion Medicine and Hemostasis*, 881-886. DOI:10.1016/b978-0-12-397164-7.00142-7

- Sanatan, P. T., Lomate, P. R., Giri, A. P., & Hivrare, V. K. (2013). Characterization of a chemostable serine alkaline protease from *Periplaneta americana*. *BMC Biochemistry*, 14(1). DOI:10.1186/1471-2091-14-32
- Santa Cruz Biotechnology. (2023). *Ammonium sulfate* [PDF]. California: Santa Cruz Biotechnology.
- Tisch Scientific. (2023). Low protein binding syringe filters. Retrieved July, 15th 2023 from <https://scientificfilters.com/low-protein-binding-syringe-filters/#:~:text=Protein%20concentration%20in%20a%20solution,concentration%20is%20easy%20to%20filter.>
- Tóthová, C., Sesztáková, E., Bielik, B., & Nagy, O. (2019). Changes of total protein and protein fractions in broiler chickens during the fattening period. *Veterinary World*, 12(4), 598–604. DOI: 10.14202/vetworld.2019.598-604
- U.S. Department of Health & Human Services. (2022). *About Stroke*. Retrieved December 4, 2022, from <https://www.cdc.gov/stroke/about.htm>
- Vijayaraghavan, P., Raj, S. R. F., & Vincent, S. G. P. (2016). Industrial enzymes: Recovery and Purification Challenges. *Agro-Industrial Wastes as Feedstock for Enzyme Production*, 95–110. DOI:10.1016/b978-0-12-802392-1.00004-6
- Weisel, J. W., & Litvinov, R. I. (2017). Fibrin Formation, structure and properties. *Subcellular Biochemistry*, 82, 405-456. DOI:10.1007/978-3-319-49674-0_13
- Wingfield, P. (1998). Protein precipitation using ammonium sulfate. *Current Protocols in Protein Science*. DOI:10.1002/0471140864.psa03fs13
- Wongpia, A., Mahatheeranont, S., Lomthaisong, K., & Niamsup, H. (2014). Evaluation of sample preparation methods from rice seeds and seedlings suitable for two-dimensional gel electrophoresis. *Applied Biochemistry and Biotechnology*, 175(2), 1035–1051. DOI:10.1007/s12010-014-1333-0
- Yao, Z., Kim, J. A., & Kim, J. H. (2017). Properties of a fibrinolytic enzyme secreted by *Bacillus subtilis* JS2 isolated from saeu (small shrimp) jeotgal. *Food Science and Biotechnology*, 27(3), 765-772. DOI:10.1007/s10068-017-0299-4