

DAFTAR PUSTAKA

- Abraham, P. R., Bharathy, R., Pradeep Kumar, N., & Kumar, A. 2021. Dengue NS1 antigen kit shows high sensitivity for detection of recombinant dengue virus-2 NS1 antigen spiked with *Aedes aegypti* mosquitoes. *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-021-02965-x>
- Afnan Uda, M. N., Parmin, N.A., Asral B.J., Hashim, U. Shahrudin. 2020. Evaluation and Optimization of Genomic DNA Extraction from Food Sample for Microfluidic Purpose. *IOP Conference Series: Materials Science and Engineering*, 743(1). doi: 10.1088/1757-899X/743/1/012031.
- Akey, D. L., Brown, W. C., Dutta, S., Konwerski, J., Jose, J., Jurkiw, T. J., Ogata, C. M., Skiniotis, G., Kuhn, R. J. 2014. Flavivirus NS1 structures reveal surfaces for associations with membranes and the immune system. *Science*, 343(6173), 881–885. <https://doi.org/10.1126/science.1247749>
- Alcalá, A. C., Medina, F., González-Robles, A., Salazar-Villatoro, L., Fragoso-Soriano, R. J., Vásquez, C., Cervantes-Salazar, M., del Angel, R. M., & Ludert, J. E. 2016. The dengue virus non-structural protein 1 (NS1) is secreted efficiently from infected mosquito cells. *Virology*, 488, 278–287. <https://doi.org/10.1016/j.virol.2015.11.020>
- Alcon-LePoder, S., Drouet, M. T., Roux, P., Frenkiel, M. P., Arborio, M., Durand-Schneider, A. M., Maurice, M., Le Blanc, I., Gruenberg, J., & Flamand, M. 2005. The secreted form of dengue virus nonstructural protein NS1 is endocytosed by hepatocytes and accumulates in late endosomes: implications for viral infectivity. *J. Virol.*, 79, 11403.
- Alegria-Schaffer, A. 2014. Western Blotting using Chemiluminescent Substrates In *Methods in Enzymology*. *Methods in Enzymology*, <https://doi.org/10.1016/B978-0-12-420119-4.00019-7>
- Alvarez, M., Pavon-Oro, A., Rodriguez-Roche, R., Bernardo, L., Morier, L., Sanchez, L., Alvarez, A. M., & Guzmán, M. G. 2008. Neutralizing antibody response variation against dengue 3 strains. *Journal of Medical Virology*, 80(10), 1783–1789. <https://doi.org/10.1002/jmv.21234>
- Apindiati, R. K., Suastika, G., & Mutaqin, K. H. 2015. Ekspresi Rekombinan Gen Protein Selubung Pepper vein yellows virus. *Jurnal Fitopatologi Indonesia*, 11(4), 137-137.

- Baez, A., Majdalani, N., & Shiloach, J. 2014. Production of recombinant protein by a novel oxygen-induced system in *Escherichia coli*. *Microbial Cell Factories*, 13(1). <https://doi.org/10.1186/1475-2859-13-50>
- Bass, J. J., Wilkinson, D. J., Rankin, D., Phillips, B. E., Szewczyk N. J. 2017. An overview of technical considerations for Western blotting applications to physiological research. *Scandinavian Journal of Medicine and Science in Sports*, 27(1), pp. 4–25. doi: 10.1111/sms.12702.
- Bergkessel, M., & Guthrie, C. 2013. Colony PCR. *Methods in Enzymology*, 529, 299 – 309. 10.1016/B978-0-12-418687-3.00025-2
- Bhatt, S., Gething, P. W., Brady, O. J., Messina, J. P., Farlow, A. W., Moyes, C. L., Drake, J. M., Brownstein, J. S., Hoen, A. G., Sankoh, O., Myers, M. F., George, D. B., Jaenisch, T., William Wint, G. R., Simmons, C. P., Scott, T. W., Farrar, J. J., & Hay, S. I. 2013. The global distribution and burden of dengue. *Nature*, 496(7446), 504–507. <https://doi.org/10.1038/nature12060>
- Bhatwa, A., Weijun, W., Yousef, H., Nadine, A. 2021. Challenges Associated With the Formation of Recombinant Protein Inclusion Bodies in *Escherichia coli* and Strategies to Address Them for Industrial Applications. *Frontiers in Bioengineering and Biotechnology*, pp. 1–18. doi: 10.3389/fbioe.2021.630551.
- Binder, D., Christopher, P., Alexander, G., Fabienne, H., Anita L. 2016. Comparative single-cell analysis of different *E. Coli* expression systems during microfluidic cultivation. *PLoS ONE*, 11(8). doi: 10.1371/journal.pone.0160711.
- Blitvich, B. J., & Firth, A. E. 2017. A review of flaviviruses that have no known arthropod vector. *In Viruses*, 9(6) <https://doi.org/10.3390/v9060154>
- Booth, W. T., Schlachter C.R., Pote, S., Ussin, N. 2018. Impact of an N-terminal polyhistidine tag on protein thermal stability', *ACS Omega*, 3(1), pp. 760–768. <https://doi.org/10.1021/acsomega.7b01598>
- Borhorst, J. A., & Falke, J. J. 2000. Purification of proteins using polyhistidine affinity tags. *In Elsevier Books*, pp. 245-254 [https://doi.org/10.1016/S0076-6879\(00\)26058-8](https://doi.org/10.1016/S0076-6879(00)26058-8)
- Brown, T.A. 2016. Gene cloning and DNA analysis: an introduction, United Kingdom: John Willey and son Ltd. ISBN 978-1-119-07256-0.
- Cafferata, M. L., Bardach, A., Rey-Ares, L., Alcaraz, A., Cormick, G., Gibbons, L., Romano, M., Cesaroni, S. 2013. Dengue Epidemiology and Burden of Disease in Latin America and the Caribbean: A Systematic Review of

the Literature and Meta-Analysis. *Value in Health Regional Issues*, 2(3): 347–356. <https://doi.org/10.1016/j.vhri.2013.10.002>

- Casenghi, M., Kosack, C., Li, R., Bastard, M., & Ford, N. 2018. NS1 antigen detecting assays for diagnosing acute dengue infection in people living in or returning from endemic countries. *Cochrane Database of Systematic Reviews*. <https://doi.org/10.1002/14651858.CD011155.pub2>
- Chambers, T. J., Liang, Y., Droll, D. A., Schlesinger, J. J., Davidson, A. D., Wright, P. J., & Jiang, X. 2003. Yellow Fever Virus/Dengue-2 Virus and Yellow Fever Virus/Dengue-4 Virus Chimeras: Biological Characterization, Immunogenicity, and Protection against Dengue Encephalitis in the Mouse Model. *Journal of Virology*, 77(6), 3655–3668. <https://doi.org/10.1128/jvi.77.6.3655-3668.2003>
- Chan, H. B. Y., How, C. H., & Ng, C. W. M. 2017. Definitive tests for dengue fever: When and which should I use?. *Singapore Medical Journal*, 58(11), 632–635. <https://doi.org/10.11622/smedj.2017100>
- Chang, Y. H., Li, H. & Sun, H. 2017. Immobilized Metal Affinity Chromatography (IMAC) for metalloproteomics and phosphoproteomics. In *Elsevier eBooks*, pp. 329-353 <https://doi.org/10.1016/B978-0-12-803814-7.00009-5>
- Chen, H. R., Lai, Y. C., & Yeh, T. M. 2018. Dengue virus non-structural protein 1: A pathogenic factor, therapeutic target, and vaccine candidate. In *Journal of Biomedical Science* (Vol. 25, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s12929-018-0462-0>
- Cortazzo, P., Cerveñansky, C., Martín, M., Reiss, C., Ehrlich, R., & Deana, A. 2002. Silent mutations affect in vivo protein folding in *Escherichia coli*. *Biochemical and Biophysical Research Communications*, 293(1), 537–541. doi:10.1016/S0006-291X(02)00226-7
- Dewanata, P. A. and Mushlih, M. 2021. Differences in DNA Purity Test Using UV-Vis Spectrophotometer and Nanodrop Spectrophotometer in Type 2 Diabetes Mellitus Patients. *Indonesian Journal of Innovation Studies*, 15, pp. 1–10. doi: 10.21070/ijins. v15i.553.
- Dong, Y., Xia, Y., Yin, J., Zhou, D., Sang, Y., Yan, S., Liu, Q., Li, Y., Wang, L., Zhao, Y., Chen, C., Huang, Q. 2022. Optimization, Characteristics, and Functions of Alkaline Phosphatase from *Escherichia coli*. *Frontiers in Microbiology*, 12. <https://doi.org/10.3389/fmicb.2021.761189>