

DAFTAR PUSTAKA

- Allegra, A., Gioacchino, M. Di, Tonacci, A., Musolino, C., & Gangemi, S. (2020). Immunopathology of SARS-CoV-2 Infection : Immune Cells and Mediators , Prognostic Factors , and Immune-Therapeutic Implications. *Journal of Molecular Sciences*, 21(4782), 1–19. <https://doi.org/10.3390/ijms21134782>
- Bingqi Wang, Min Hu, Yaping Ren, Xinyi Xu, Zeyou Wang, Xing Lyu, Weimin Wu, Ziyang Li, Xing Gong, Zhongyuan Xiang, Lingli Tang, Yizhi Peng and Min Wang. (2020). *Evaluation of seven commercial SARS-CoV-2 RNA detection kits based on real-time polymerase chain reaction (PCR) in China*. China: Clinical Chemistry Lab Med 2020.
- Black EM, Lowings JP, Smith J, Heaton PR, McElhinney LM. (2002). *A rapid RT-PCR method to differentiate six established genotypes of rabies and rabies-related viruses using TaqMan technology*. J Virol Methods. 105:25-35.
- Brand NJ. (1995). *Principles and Applications of The Polymerase Chain Reaction*. Oxford: Oxford University Press 1995: 1-16
- Burgos JS, Ramírez C, Tenorio R, Sastre I, Bullido MJ. (2002). *Influence of reagents formulation on real-time PCR parameters*. Mol Cell Probes. 16:257-260.
- Centers for Disease Control and Prevention (CDC). (2018). *About Corona Virus Disease 2019*. Centers for Disease Control and Prevention. Retrieved from <https://www.cdc.gov/coronavirus/2019-ncov/index.html>
- Chantratita W, Sukasem C, Kaewpongsri S, Srichunrusami C, Pairoj W, Thitithanyanont A, Chaichoune K, Ratanakron P, Songserm T, Damrongwatanapokin S, Landt O. (2008). *Qualitative detection of Avian Influenza A (H5N1) viruses: a comparative evaluation of four real-time nucleic acid amplification methods*. Mol Cell Probes. 22:287-293.
- Cockerill FRIII, Smith TF. (2002). *Rapid-cycle real-time PCR: a revolution for clinical microbiology*. ASM News. 68:77-83.
- Cubero J, van der Wolf J, van Beckhoven J, López MM. (2002). *An internal control for the diagnosis of crown gall by PCR*. J Microbiol Methods. 51:387-392.
- Da An Gene Co., Ltd. of Sun Yat-sen University. (2019). *Instructions for use for Detection Kit for 2019 Novel Coronavirus(2019-nCoV) RNA (PCR-Fluorescence Probing)*. Retrieved March 5, 2021, from <http://www.daangene.com>
- Das A, Spackman E, Senne D, Pedersen J, Suarez DL. (2006). *Development of an internal positive control for rapid diagnosis of Avian Influenza virus*

- infections by real-time reverse transcription-PCR with lyophilized reagents.* J Clin Microbiol. 44:3065-3073.
- Didenko V V. (2001). *DNA probes using fluorescence resonance energy transfer (FRET): designs and applications.* Biotechniques. 31:1106-1116, 1120-1121.
- F. Hoffmann La Roche. (2005). *Roche Applied Science LightCycler 480 Real-time PCR System.* Retrieved May, 7 2021, from <https://www.gene-quantification.de/lc480-brochure.pdf>
- Fraga, D., Meulia, T. & Fenster, S. (2014). *Real-time PCR Current Protocols Essential Laboratory Techniques.* Wiley Online Laboratory. Retrieved, May, 12 2021, from <https://currentprotocols.onlinelibrary.wiley.com>
- Gennaro, F. Di, Pizzol, D., Marotta, C., Antunes, M., Racalbuto, V., Veronese, N., & Smith, L. (2020). Coronavirus Diseases (COVID-19) Current Status and Future Perspectives : A Narrative Review. *International Journal of Environmental Research and Public Health* *Environmental Research and Public Health*, 17(2690), 1–11. <https://doi.org/10.3390/ijerph17082690>
- Germer JJ, Lins MM, Jensen ME, Harmsen WS, Ilstrup DM, Mitchell PS, Cockerill FR, Patel R. (2003). *Evaluation of the MagNA pure LC instrument for extraction of hepatitis C virus RNA for the COBAS AMPLICOR Hepatitis C virus test, version 2.0.* J Clin Microbiol. 41:3503-3508.
- Ghozali, Imam. (2013). *Aplikasi Analisis Multivariant dengan Program IBM SPSS.* Edisi 7. Semarang: Penerbit Universitas Diponegoro
- Gibbs RA. (1990). *DNA amplification by the polymerase chain reaction.* Anal Chem. 62:1202-1214.
- Goswani B., Singh B., Chawla R., & Mallika V. (2010). *Identification of The Types of Preanalytical Errors in the Clinical Chemistry Laboratory: 1-Year Study at G.B Pant Hospital.* Labmedicine Vol: 41 Number 2 : 89 – 92.
- Hoffmann B, Harder T, Starick E, Depner K, Werner O, Beer M. (2007). *Rapid and highly sensitive pathotyping of Avian Influenza A H5N1 virus by using real-time reverse transcription-PCR.* J Clin Microbiol. 45:600-603.
- Huang C, Wang Y, Li X, Ren L, Zhao J, Hu Y, et al. (2020). *Clinical Features of Patients Infected with 2019 Novel Coronavirus in Wuhan, China.* Lancet. 2020;395(10223):497-506.
- Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., ... Gu, X. (2020). Clinical Features of Patients Infected with 2019 Novel Coronavirus in Wuhan , China. *Lancet*, 395, 497–506. [https://doi.org/10.1016/S0140-6736\(20\)30183-5](https://doi.org/10.1016/S0140-6736(20)30183-5)
- Karmini. (2020). *Statistika Non Parametrik.* Mulawarman University Press: Samarinda.

- Kim YJ, Lee HS, Bae SS, Jeon JH, Lim JK, Cho Y, Nam KH, Kang SG, Kim SJ, Kwon ST, Lee JH. (2007). *Cloning, purification, and characterization of a family B type DNA polymerase from a hyperthermophilic archaeon Thermococcus sp. NA1*. J Microbiol Biotechnol. 17:1090-1097.
- Kinloch NN, Ritchie G, Brumme CJ, Dong W, Dong W, Lawson T, et al. (2020). *Suboptimal biological sampling as a probable cause of false-negative COVID-19 diagnostic test results*. J Infect Dis. 2020;222(6):899–902. <https://doi.org/10.1093/infdis/jiaa370>.
- Kumar, C. V. S., Mukherjee, S., Harne, P. S., Subedi, A., Ganapathy, M. K., Patthipati, V. S., & Sapkota, B. (2020). Novelty in the Gut : A Systematic Review Analysis of the Gastrointestinal Manifestations of COVID-19. *BMJ Open Gastroenterology*, 7(e000417), 1–9. <https://doi.org/10.1136/bmjgast-2020-000417>
- Kustiningsih Y., Nastiti M., Jasmandi J K., Leka L. (2017). *Pengaruh Variasi Suhu Awal Reagen terhadap Kadar Glukosa Darah Metode Enzimatik*. Banjarmasin: Poltekkes Kemenkes Banjarmasin. 3(1),2017,103-107.
- Lapostolle, F., Schneider, E., Vianu, I., Dollet, G., Roche, B., Berdah, J., ... Adnet, F. (2020). Clinical Features of 1487 COVID - 19 Patients with Outpatient Management in the Greater Paris : the COVID - Call Study. *Internal and Emergency Medicine*, (0123456789). <https://doi.org/10.1007/s11739-020-02379-z>
- Letko, M., Marzi, A., & Munster, V. (2020). Functional Assessment of Cell Entry and Receptor Usage for SARS-CoV-2 and Other Lineage B Betacoronaviruses. *Nature Microbiology*, 5, 562–569. <https://doi.org/10.1038/s41564-020-0688-y>
- Lingeswaran, M., Goyal, T., Ghosh, R., & Suri, S. (2020). Inflammation , Immunity and Immunogenetics in COVID-19 : A Narrative Review. *Indian Journal of Clinical Biochemistry*, 35(3), 260–273. <https://doi.org/10.1007/s12291-020-00897-3>
- Mariana, W. (2020). *Kontroversi Metode Deteksi COVID-19 di Indonesia*. Keluwih: Jurnal Kesehatan dan Kedokteran, Vol. 2 (1), 34-32. Retrieved from <https://doi.org/10.24123/kesdok.v2i1.2994>
- Meng, H., Xiong, R., He, R., Lin, W., Hao, B., Zhang, L., & Lu, Z. (2020). CT Imaging and Clinical Course of Asymptomatic Cases with COVID-19 Pneumonia at Admission in Wuhan, China. *Journal of Infection*, 81(2020), e33–e39. Retrieved from <https://doi.org/10.1016/j.jinf.2020.04.004>
- Muhammad Bilal, Muhammad Shahzad Nazir, Roberto Parra Saldivar and Hafiz M. N. (2020). *2019-nCoV/COVID-19 Approaches to Viral Vaccine Development and Preventive Measures*. Journal of Pure and Applied Microbiology 14 (1): 25-29. Retrieved from <https://doi.org/10.22207/JPAM.14.1.05>

- National Center for Biotechnology Information. (2017). *Polymerase Chain Reaction*. Retrieved January 10, 2021, from <https://www.ncbi.nlm.nih.gov/probe/docs/techpcr/>
- Newton, C.R. dan A. Graham. (1989). *Molecular Cloning*. USA: Cold Spring Harbor Laboratory Press.
- Niesters HG. (2002). *Clinical virology in real-time*. J Clin Virol. 25(Suppl.3):3-12.
- Pardal SJ. (2010). *Menguji ekspresi gen menggunakan real-time PCR*. Warta Penelitian dan Pengembangan Pertanian. 32:13-14.
- Qin C, Zhou L, Hu Z, Zhang S, Yang S, Tao Y, et al. (2020) *Dysregulation of immune response in patients with COVID-19 in Wuhan, China*. Clin Infect Dis. 2020; published online March 12. DOI: 10.1093/ cid/ciaa248.
- Ren L, Yang S, Xiao M, Chang, Yang F, et al. (2020). *Profiling Early Humoral Response to Diagnose Novel Coronavirus Disease (COVID-19)*. Clin Infect Dis. 2020; published online March 28. DOI: 10.1101/2020.03.05.20030502.
- Riedel S, dkk. (2019). *Medical Microbiology*. New York: McGraw- Hill Education/Medical; 2019. p.617-22.
- Rothan HA, Byrareddy SN. (2020). *The Epidemiology and Pathogenesis of Coronavirus Disease (COVID-19) Outbreak*. Retrieved January 10, 2021, from <https://doi.org/10.1016/j.jaut.2020.102433>
- Sansure Biotech Inc. (2019). *Novel Coronavirus (2019 nCoV) Nucleic Acid Diagnostic Kit (PCR Fluorescence Probing)*. Retrieved March 5, 2021, from <http://eng.sansure.com.cn/>
- Susilo, A., Rumende, C. M., Pitoyo, C. W., Santoso, W. D., Yulianti, M., Sinto, R. Yuniastuti, E. (2020). Coronavirus Disease 2019 : Tinjauan Literatur Terkini. *Jurnal Penyakit Dalam Indonesia*, 7(1), 45–67.
- Tyagi S, Kramer FR. (1996). Molecular beacons: probes that fluoresce upon hybridization. Nat Biotechnol. 14:303-308.
- World Health Organization. (2020). *Laboratory testing for coronavirus disease 2019 (COVID-19) in suspected human cases*. Geneva: World Health Organization; 2020.
- World Health Organization. (2020). *Naming the coronavirus disease (COVID-19) and the virus that causes it*. Retrieved January 10, 2021, from [https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/naming-the-coronavirus-disease-\(COVID-2019\)-and-the-virus-that-causes-it](https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/naming-the-coronavirus-disease-(COVID-2019)-and-the-virus-that-causes-it).
- Xiao, F., Tang, M., Zheng, X., Liu, Y., Li, X., & Shan, H. (2020). Evidence for Gastrointestinal Infection of SARS-CoV-2. *Elsevier Gastroenterology*,

- 158(6), 1831–1833. Retrieved from <https://doi.org/10.1053/j.gastro.2020.02.055>
- Ye, Q., Wang, B., & Mao, J. (2020). The Pathogenesis and Treatment of the ‘ Cytokine Storm ’ in COVID-19. *Journal of Infection*, 80(6), 607–613. <https://doi.org/10.1016/j.jinf.2020.03.037>
- Yusuf, Zuhriana. (2010). *Saintek Vol 5, No 6, Polymerase Chain Reaction*. Gorontalo: Universitas Negeri Gorontalo. Retrieved January 22, 2021 from file:///C:/Users/user/AppData/Local/Temp/Polymerase-Chain-Reaction-PCR.pdf
- Yuwono T. (2006). Teori dan aplikasi *polymerase chain reaction*. Yogyakarta (Indonesia): Penerbit Andi.
- Yuwono, T. (2006). *Teori dan Aplikasi Polymerase Chain Reaction*. Penerbit Andi. Yogyakarta. Hal.1-24
- Zhang, H., Penninger, J. M., Li, Y., Zhong, N., & Slutsky, A. S. (2020). Angiotensin - Converting Enzyme 2 (ACE2) as a SARS - CoV - 2 Receptor : Molecular Mechanisms and Potential Therapeutic Target. *Intensive Care Medicine*, 46(4), 586–590. <https://doi.org/10.1007/s00134-020-05985-9>
- Zhu, N., Zhang, D., Wang, W., Li, X., Yang, B., Song, J., ... Tan, W. (2020). A Novel Coronavirus from Patients with Pneumonia in China, 2019. *The New England Journal of Medicine*, 382(8), 727–733. <https://doi.org/10.1056/NEJMoa2001017>
- Zou J, Shun SH, Yen NT, Gong ZX. (2005). *Complete genome*.
- Zuhriana K. (2010). *Polymerase Chain Reaction (PCR)*. Gorontalo: Universitas Negeri Gorontalo