

DAFTAR PUSTAKA

- American College of Physicians (2020) *COVID-19 found in sputum and feces samples after pharyngeal specimens no longer positive*, <https://www.sciencedaily.com/>. Available at: <https://www.sciencedaily.com/releases/2020/03/200330110348.htm>.
- Anies (2020) *Covid-19 : Seluk Beluk Corona Virus, cetakan I, 2020*. 1st edn. Edited by N. Hidayah. Depok, Sleman, Jogjakarta: ARRUIZZ MEDIA.
- Baharuddin and Rumpa, F. A. (2020) *2019-nCOV - JANGAN TAKUT VIRUS CORONA*. 1st edn. Edited by T. A. Prabawati. Yogyakarta: Rapha Publishing.
- Balk, R. A. (2014) ‘Systemic inflammatory response syndrome (SIRS): Where did it come from and is it still relevant today?’, *Virulence*, 5(1), pp. 20–26. doi: 10.4161/viru.27135.
- Bárcena, M. *et al.* (2009) ‘Cryo-electron tomography of mouse hepatitis virus: Insights into the structure of the coronavirion’, *Proceedings of the National Academy of Sciences of the United States of America*, 106(2), pp. 582–587. doi: 10.1073/pnas.0805270106.
- Carter, L. J. *et al.* (2020) *Assay Techniques and Test Development for COVID-19 Diagnosis*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7197457/#ref18>.
- Connors, J. M. and Levy, J. H. (2020) ‘COVID-19 and its implications for thrombosis and anticoagulation’, *Blood*, 135(23), pp. 2033–2040. doi: 10.1182/BLOOD.2020006000.
- Cowburn, A. S. *et al.* (2017) ‘Cardiovascular adaptation to hypoxia and the role of peripheral resistance’, *eLife*, 6, pp. 1–23. doi: 10.7554/eLife.28755.
- Diao, B. *et al.* (2020) ‘Human kidney is a target for novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection’, *medRxiv*, 2. doi: 10.1101/2020.03.04.20031120.
- El-Tholoth, M., Bau, H. H. and Song, J. (2020) ‘A Single and Two-Stage, Closed-Tube, Molecular Test for the 2019 Novel Coronavirus (COVID-19) at Home, Clinic, and Points of Entry.’, *ChemRxiv: the preprint server for chemistry*. doi: 10.26434/chemrxiv.11860137.
- Fehr, A. R. and Perlman, S. (2015) *Coronaviruses: an overview of their replication and pathogenesis*.
- Fowler, V. L. *et al.* (2021) ‘A highly effective reverse-transcription loop-mediated

Muhammad Rizky Wibowo, 2021

DETEKSI SARS COV-2 DENGAN METODE REVERSE TRANSCRIPTION LOOP MEDIATED ISOTHERMAL AMPLIFICATION (RT-LAMP) TINJAUAN NARRATIVE REVIEW

UPN Veteran Jakarta, Fakultas Kedokteran, Sarjana Kedokteran

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- isothermal amplification (RT-LAMP) assay for the rapid detection of SARS-CoV-2 infection', *Journal of Infection*, 82(1), pp. 117–125. doi: 10.1016/j.jinf.2020.10.039.
- Gao, Y. *et al.* (2020) 'Diagnostic utility of clinical laboratory data determinations for patients with the severe COVID-19', *Journal of Medical Virology*, 92(7), pp. 791–796. doi: 10.1002/jmv.25770.
- GenMark Diagnostics, I. (2021) 'ePlex® SARS-CoV-2 Test Assay Manual', *US Food and Drug Administration website*, pp. 1–19. Available at: <https://www.fda.gov/media/136355/download><https://www.fda.gov/media/136282/download>.
- Gorbalenya, A. E. *et al.* (2020) 'The species Severe acute respiratory syndrome-related coronavirus: classifying 2019-nCoV and naming it SARS-CoV-2', *Nature Microbiology*, 5(4), pp. 536–544. doi: 10.1038/s41564-020-0695-z.
- Guan, W. *et al.* (2020) 'Clinical Characteristics of Coronavirus Disease 2019 in China', *New England Journal of Medicine*, 382(18), pp. 1708–1720. doi: 10.1056/nejmoa2002032.
- Gugus Tugas Percepatan Penanganan Covid-19 RI (2021) *Perkembangan Kasus Covid-19*. Available at: <https://covid19.go.id/peta-sebaran>.
- Haq, F. *et al.* (2021) 'Reverse transcriptase loop-mediated isothermal amplification (RT-LAMP)-based diagnosis: A potential alternative to quantitative real-time PCR based detection of the novel SARS-COV-2 virus', *Saudi Journal of Biological Sciences*, 28(1), pp. 942–947. doi: 10.1016/j.sjbs.2020.10.064.
- Hoffmann, M. *et al.* (2020) 'SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor', *Cell*, 181(2), pp. 271–280.e8. doi: 10.1016/j.cell.2020.02.052.
- JBI (2017) *CRITICAL APPRAISAL TOOLS*. Available at: <https://jbi.global/critical-appraisal-tools>.
- Joung, J. *et al.* (2020) 'Point-of-care testing for COVID-19 using SHERLOCK diagnostics', *medRxiv*. doi: 10.1101/2020.05.04.20091231.
- Kemendes RI (2020) *PETA SEBARAN TRANSMISI LOKAL DAN WILAYAH TERKONFIRMASI*. Available at: <https://infeksiemerging.kemkes.go.id/dashboard/covid-19>.
- KemendesRI (2020) 'Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MenKes/413/2020 Tentang Pedoman Pencegahan dan Pengendalian Corona Virus Disease 2019 (Covid-19)', *MenKes/413/2020*, 2019, pp. 1–207. Available at:

Muhammad Rizky Wibowo, 2021

DETEKSI SARS COV-2 DENGAN METODE REVERSE TRANSCRIPTION LOOP MEDIATED ISOTHERMAL AMPLIFICATION (RT-LAMP) TINJAUAN NARRATIVE REVIEW

UPN Veteran Jakarta, Fakultas Kedokteran, Sarjana Kedokteran

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

[https://covid19.go.id/storage/app/media/Regulasi/KMK No. HK.01.07-MENKES-413-2020 ttg Pedoman Pencegahan dan Pengendalian COVID-19.pdf](https://covid19.go.id/storage/app/media/Regulasi/KMK_No._HK.01.07-MENKES-413-2020_ttg_Pedoman_Pencegahan_dan_Pengendalian_COVID-19.pdf).

- Kujawski, S. A. *et al.* (2020) ‘Clinical and virologic characteristics of the first 12 patients with coronavirus disease 2019 (COVID-19) in the United States’, *Nature Medicine*, 26(6), pp. 861–868. doi: 10.1038/s41591-020-0877-5.
- Li, C. and Ren, L. (2020) ‘Recent progress on the diagnosis of 2019 Novel Coronavirus’, *Transboundary and Emerging Diseases*, 67(4), pp. 1485–1491. doi: 10.1111/tbed.13620.
- LIPI (2020) *Inovasi LIPI Alat Deteksi COVID-19 RT-LAMP*. Available at: <http://kimia.lipi.go.id/news/read/inovasi-lipi-alat-deteksi-covid-19-rt-lamp>.
- Liu, F. *et al.* (2020) ‘Highly ACE2 expression in pancreas may cause pancreas damage after SARS-CoV-2 infection’, *medRxiv*. doi: 10.1101/2020.02.28.20029181.
- Lu, R. *et al.* (2020) ‘A novel reverse transcription loop-mediated isothermal amplification method for rapid detection of sars-cov-2’, *International Journal of Molecular Sciences*, 21(8). doi: 10.3390/ijms21082826.
- Mehta, P. *et al.* (2020) ‘COVID-19: consider cytokine storm syndromes and immunosuppression’, *The Lancet*, 395(10229), pp. 1033–1034. doi: 10.1016/S0140-6736(20)30628-0.
- Neuman, B. W. *et al.* (2006) ‘Supramolecular Architecture of Severe Acute Respiratory Syndrome Coronavirus Revealed by Electron Cryomicroscopy’, *Journal of Virology*, 80(16), pp. 7918–7928. doi: 10.1128/jvi.00645-06.
- Palm, N. W. and Medzhitov, R. (2007) ‘Not so fast: Adaptive suppression of innate immunity’, *Nature Medicine*, 13(10), pp. 1142–1144. doi: 10.1038/nm1007-1142b.
- Park, G. S. *et al.* (2020) ‘Development of Reverse Transcription Loop-Mediated Isothermal Amplification Assays Targeting Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)’, *Journal of Molecular Diagnostics*, 22(6), pp. 729–735. doi: 10.1016/j.jmoldx.2020.03.006.
- Pradipta, J. and Nazaruddin, A. M. (2020) *ANTIPANIK! Buku Panduan Virus Corona*. 1st edn. Jakarta: PT Elex Media Komputindo.
- Robin Augustine, Anwarul Hasan, Suvathi Das, Rashid Ahmed, Yasuyoshi Mori, Tsugunori Notomi, Bhavesh D Kevadiya, A. S. T. (2020) ‘Loop-mediated isothermal amplification (Lamp): A rapid, sensitive, specific, and cost-effective point-of-care test for coronaviruses in the context of

- coviAugustine, Robin Hasan, Anwarul Das, Suvarthi Ahmed, Rashid Mori, Yasuyoshi Notomi, Tsugunori Kevadi', *Biology*, 9(8), pp. 1–17.
- Salsabilah, A. *et al.* (2019) 'Potential Implication of Saliva-Based Molecular Diagnostic in', (December).
- Schellenberg, J. J., Ormond, M. and Keynan, Y. (2020) 'Extraction-free RT-LAMP to detect SARS-CoV-2 is less sensitive but highly specific compared to standard RT-PCR in 101 samples', (January).
- Shen, M. *et al.* (2020) 'Recent advances and perspectives of nucleic acid detection for coronavirus', *Journal of Pharmaceutical Analysis*, 10(2), pp. 97–101. doi: 10.1016/j.jpha.2020.02.010.
- Shereen, M. A. *et al.* (2020) 'COVID-19 infection: Origin, transmission, and characteristics of human coronaviruses', *Journal of Advanced Research*, 24, pp. 91–98. doi: 10.1016/j.jare.2020.03.005.
- Sigrist, C. J. A., Bridge, A. and Mercier, P. Le (2020) 'Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information', (January).
- Song, C. Y. *et al.* (2020) 'COVID-19 early warning score: A multi-parameter screening tool to identify highly suspected patients', *medRxiv*. doi: 10.1101/2020.03.05.20031906.
- Subsoontorn, P., Lohitnavy, M. and Kongkaew, C. (2020) 'The diagnostic accuracy of isothermal nucleic acid point-of-care tests for human coronaviruses: A systematic review and meta-analysis', *Scientific Reports*, 10(1), pp. 1–13. doi: 10.1038/s41598-020-79237-7.
- Susilo, A. *et al.* (2020) 'Coronavirus Disease 2019: Tinjauan Literatur Terkini', *Jurnal Penyakit Dalam Indonesia*, 7(1), p. 45. doi: 10.7454/jpdi.v7i1.415.
- Suxin Wan, Qingjie Yi, Shibing Fan, Jinglong Lv, Xianxiang Zhang, Lian Guo, Chunhui Lang, Qing Xiao, Kaihu Xiao, Zhengjun Yi, Mao Qiang, Jianglin Xiang, Bangshuo Zhang, Y. C. (2020) 'Characteristics of lymphocyte subsets and cytokines in peripheral blood of 123 hospitalized patients with 2019 novel coronavirus pneumonia (NCP)', *medRxiv*, (165), pp. 1–13.
- Thompson, D. and Lei, Y. (2020) 'Mini review: Recent progress in RT-LAMP enabled COVID-19 detection', (January). Available at: <https://www.sciencedirect.com/science/article/pii/S266605392030014X>.
- U.S. Food & Drug Administration (2020) 'Rutgers Clinical Genomics Laboratory TaqPath SARS-CoV-2 Assay EUA Summary ACCELERATED

EMERGENCY USE AUTHORIZATION (EUA) SUMMARY SARS-CoV-2 ASSAY (Rutgers Clinical Genomics Laboratory)', pp. 1–8.

- Vallamkondu, J. *et al.* (2020) *SARS-CoV-2 pathophysiology and assessment of coronaviruses in CNS diseases with a focus on therapeutic targets*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7320676/#:~:text=SARS-CoV-2 appears round,enter the cell by endocytosis>.
- VanGuilder, H. D., Vrana, K. E. and Freeman, W. M. (2008) 'Twenty-five years of quantitative PCR for gene expression analysis', *BioTechniques*, 44(5), pp. 619–626. doi: 10.2144/000112776.
- Walls, A. C. *et al.* (2020) 'Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein', *Cell*, 181(2), pp. 281–292.e6. doi: 10.1016/j.cell.2020.02.058.
- Wang, D. *et al.* (2020) 'Clinical Characteristics of 138 Hospitalized Patients with 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China', *JAMA - Journal of the American Medical Association*, 323(11), pp. 1061–1069. doi: 10.1001/jama.2020.1585.
- Wang, Q. *et al.* (2020) 'Structural and Functional Basis of SARS-CoV-2 Entry by Using Human ACE2', *Cell*, 181(4), pp. 894–904.e9. doi: 10.1016/j.cell.2020.03.045.
- Wenhui Li, Michael J. Moore, Natalya Vasilieva, J. S. *et al.* (2016) 'Angiotensin-converting enzyme 2 is a functional receptor for the SARS coronavirus', *Folia Pharmacologica Japonica*, 147(2), pp. 120–121. doi: 10.1254/fpj.147.120.
- WHO (2020) *WHO Director-General's remarks at the media briefing on 2019-nCoV on 11 February 2020*. Available at: <https://www.who.int/director-general/speeches/detail/who-director-general-s-remarks-at-the-media-briefing-on-2019-ncov-on-11-february-2020>.
- De Wit, E. *et al.* (2016) 'SARS and MERS: Recent insights into emerging coronaviruses', *Nature Reviews Microbiology*, 14(8), pp. 523–534. doi: 10.1038/nrmicro.2016.81.
- Wong, M. L. and Medrano, J. F. (2005) 'One-Step Versus Two-Step Real- Time PCR', 39(1), pp. 75–85. doi: 10.2144/05391RV01.
- Woo, P. C. Y. *et al.* (2010) 'Coronavirus genomics and bioinformatics analysis', *Viruses*, 2(8), pp. 1805–1820. doi: 10.3390/v2081803.
- Worldometers (2021) *Coronavirus Updates*. Available at: <https://www.worldometers.info/>.

Muhammad Rizky Wibowo, 2021

DETEKSI SARS COV-2 DENGAN METODE REVERSE TRANSCRIPTION LOOP MEDIATED ISOTHERMAL AMPLIFICATION (RT-LAMP) TINJAUAN NARRATIVE REVIEW

UPN Veteran Jakarta, Fakultas Kedokteran, Sarjana Kedokteran

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Wu, C. *et al.* (2020) ‘Risk Factors Associated with Acute Respiratory Distress Syndrome and Death in Patients with Coronavirus Disease 2019 Pneumonia in Wuhan, China’, *JAMA Internal Medicine*, 180(7), pp. 934–943. doi: 10.1001/jamainternmed.2020.0994.
- Xia, J. *et al.* (2020) ‘Evaluation of coronavirus in tears and conjunctival secretions of patients with SARS-CoV-2 infection’, *Journal of Medical Virology*, 92(6), pp. 589–594. doi: 10.1002/jmv.25725.
- Yang, X. *et al.* (2020) ‘Clinical course and outcomes of critically ill patients with SARS-CoV-2 pneumonia in Wuhan, China: a single-centered, retrospective, observational study’, *The Lancet Respiratory Medicine*, 8(5), pp. 475–481. doi: 10.1016/S2213-2600(20)30079-5.
- Yoshikawa, R. *et al.* (2020) ‘Development and evaluation of a rapid and simple diagnostic assay for COVID-19 based on loop-mediated isothermal amplification’, *PLoS neglected tropical diseases*, 14(11), p. e0008855. doi: 10.1371/journal.pntd.0008855.
- Zaki, A. M. *et al.* (2012) ‘Isolation of a Novel Coronavirus from a Man with Pneumonia in Saudi Arabia’, *New England Journal of Medicine*, 367(19), pp. 1814–1820. doi: 10.1056/nejmoa1211721.
- Zheng, Y. Y. *et al.* (2020) ‘COVID-19 and the cardiovascular system’, *Nature Reviews Cardiology*, 17(5), pp. 259–260. doi: 10.1038/s41569-020-0360-5.