

BAB VII

KESIMPULAN

7.1. Kesimpulan

Berdasarkan penelitian dan analisis data untuk mengetahui hubungan antara *Ct value* dan Lama Rawat Inap, didapatkan kesimpulan :

- a. Penderita rawat inap di Rumah Sakit Gotong Royong pada penelitian ini terbanyak memiliki *Ct value* rendah dengan rawat inap menengah dan panjang.
- b. Penelitian ini menyatakan terdapat hubungan lemah antara *Ct value* dengan lama rawat inap di Rumah Sakit Gotong Royong Surabaya.

7.2. Saran

7.2.1. Bagi Peneliti Lain

Diharapkan dengan adanya penelitian ini peneliti lain bisa menggunakan sebagai bahan referensi untuk melakukan penelitian lanjutan mengenai *Ct value* dan lama rawat inap penderita COVID-19 dengan variable lain atau metode yang lain

7.2.2. Bagi Institusi

Untuk institusi bisa digunakan sebagai dasar untuk melakukan penelitian lanjutan mengenai *Ct value*

7.2.3. Bagi Tenaga Medis

Dengan adanya penelitian ini diharapkan tenaga medis bisa terbantu dalam melakukan protocol pemeriksaan *Ct value* terhadap penderita COVID-19.

DAFTAR PUSTAKA

1. Sugihantono A, Burhan E, Susanto AD. PEDOMAN PENCEGAHAN DAN PENGENDALIAN CORONAVIRUS DISEASE. 5th ed. Aziza L, editor. Jakarta: Kementerian Kesehatan RI; 2020.
2. World Health Organization - Regional Office for the Eastern Mediterranean. COVID-19 situation updates for week 30 (25–31 July 2021) [Internet]. WHO. 2021 [cited 2022 May 1]. Available from: <http://www.emro.who.int/pandemic-epidemic-diseases/covid-19/covid-19-situation-updates-for-week-30-2531-july-2021.html>
3. Hikmawati I, Setiyabudi R. Epidemiology of COVID-19 in Indonesia: common source and propagated source as a cause for outbreaks. *J Infect Dev Ctries*. 2021;15(5):646–52.
4. Annisa D. Situasi Terkini Perkembangan Coronavirus Disease (COVID-19) 31 Juli 2021 [Internet]. Kementerian Kesehatan RI. 2021 [cited 2022 May 1]. Available from: <https://infeksiemerging.kemkes.go.id/situasi-infeksi-emerging/situasi-terkini-perkembangan-coronavirus-disease-covid-19-31-juli-2021>
5. Sidharta KD, Laksono JP, Rostinawati T, Studi P, Apoteker P, Farmasi F, et al. Perkembangan PCR dan Rapid Diagnostic Test Sebagai Pengujian COVID-19. *J Farmaka* [Internet]. 2021;19:69–76. Available from: <https://jurnal.unpad.ac.id/farmaka/article/view/29823/pdf>
6. Lotfi M, Hamblinc MR, Rezaeif N. COVID-19: Transmission, prevention, and potential therapeutic opportunities. *Clin Chim Acta* [Internet]. 2020;508(January):254–66. Available from: www.elsevier.com/locate/cca Review
7. Santoso AM. Covid-19 : Varian Dan Mutasi. *J Med Utama* [Internet]. 2022;3(02):1980–6. Available from: <https://jurnalmedikahutama.com/index.php/JMH/article/view/396/271>
8. Susilo A, Rumende M, Pitoyo CW. Coronavirus Disease 2019: Tinjauan Literatur Terkini. *J Penyakit Dalam Indones*. 2020;7(1).
9. Shiehzhadegan S, Alaghemand N, Fox M, Venketaraman V. Analysis of the Delta Variant B.1.617.2 COVID-19. *Clin Pract*. 2021;11(4):778–84.
10. Cascella M, Rajnik M, Aleem A, Dulebohn SC, Napoli. R Di. Features, Evaluation, and Treatment of Coronavirus (COVID-19). *StatPearls* [Internet] [Internet]. 2022; Available from: <https://www.ncbi.nlm.nih.gov/books/NBK554776/>
11. Li H, Liu S, Yu X, Tang S, Tang C. Coronavirus disease 2019 (COVID-19): current status and future perspectives. *Elsevier*. 2020;(January).

12. Kuldeep D, Khan S, Tiwari R, Sircar S, Bhat S, Malik YS, et al. Coronavirus Disease 2019–COVID-19. *Clin Microbiol Rev.* 2020;33(4):1–48.
13. Harrison AG, Lin T, Wang P. Mechanisms of SARS-CoV-2 Transmission and Pathogenesis. *Trends Immunol.* 2020;41(12):1100–15.
14. Azer SA. COVID-19: pathophysiology, diagnosis, complications and investigational therapeutics. *New Microbes New Infect* [Internet]. 2020;37(M):100738. Available from: <https://doi.org/10.1016/j.nmni.2020.100738>
15. Fitriani1 NI, 1Program. TINJAUAN PUSTAKA COVID-19: VIROLOGI, PATOGENESIS, DAN MANIFESTASI KLINIS. *J Med Malahayati* [Internet]. 2020;4(3):194–201. Available from: <https://doi.org/10.1016/j.tmaid.2020.101607><https://doi.org/10.1016/j.ij-su.2020.02.034><https://onlinelibrary.wiley.com/doi/abs/10.1111/cjag.12228><https://doi.org/10.1016/j.ssci.2020.104773><https://doi.org/10.1016/j.jinf.2020.04.011><https://doi.org/10.1016/j.jinf.2020.04.011>
16. Rashedi J, Poor BM, Asgharzadeh V, Pourostadi M, Kafil HS, Vegari A, et al. Risk factors for covid-19. *Infez Med.* 2020;28(4):469–74.
17. Falahi S, Kenarkoohi A. Sex and gender differences in the outcome of patients with COVID-19. *J Med Virol.* 2021;93(1):151–2.
18. Salvati L, Biagioni B, Vivarelli E, Parronchi P. A gendered magnifying glass on COVID-19. *Clin Mol Allergy* [Internet]. 2020;18(1):1–11. Available from: <https://doi.org/10.1186/s12948-020-00129-2>
19. Hidayani WR. Faktor Faktor Risiko Yang Berhubungan Dengan COVID 19 : Literature Review. *J Untuk Masy Sehat.* 2020;4(2):120–34.
20. Syam AF, Zulfa FR, Karuniawati A. Manifestasi Klinis dan Diagnosis Covid-19. Vol. 8, *eJournal Kedokteran Indonesia.* 2021.
21. Burhan E, Susanto AD, Nasution SA, Eka G, Pitoyo ceva W, Susilo A, et al. PEDOMAN TATALAKSANA COVID-19. 4th ed. Satuan Tugas Penanganan COVID-19. Jakarta: Satuan Tugas Penanganan COVID-19; 2022. 79–85 p.
22. Narulitia A, Salim Ambar N, Laitupa AA, Absor S. Tingkat Efektivitas Dari Penggunaan Rapid- Test Antibodi Metode Immunokromatografi Untuk Screening Covid-19. *J Implementa Husada* [Internet]. 2021;2(1):24–36. Available from: <http://jurnal.umsu.ac.id/index.php/JIH/article/view/6600>
23. Yanti B, Hayatun U. Peran pemeriksaan radiologis pada diagnosis Coronavirus disease 2019. *J Kedokt Syiah Kuala.* 2020;20(1):53–7.
24. Garibyan L, Avashia N. Research Techniques Made Simple: Polymerase Chain Reaction (PCR). *J Invest Dermatol.* 2013;6:1–8.
25. Agustiningsih, Nugraha AA, Daryanto, Pawestri HA. Pedoman

Pemeriksaan PCR SARS-COV-2 Bagi Petugas Laboratorium. Perpustakaan Loka Litbangkes Pangandaran. Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan; 2020.

26. Rabaan AA, Tirupathi R, Sule AA, Aldali J, Mutair A Al, Alhumaid S, et al. Viral dynamics and real-time rt-pcr ct values correlation with disease severity in covid-19. *Diagnostics*. 2021;11(6).
27. PAMKI. Arti Klinis Nilai CT [Internet]. 2020. p. 1–4. Available from: <https://pamki.or.id/wp-content/uploads/2020/08/Arti-Klinis-Nilai-Ct.pdf>
28. Hosizah, Maryati Y. SISTEM INFORMASI KESEHATAN II. Hosizah ,Maryati, Yati. 2.
29. Tonglolangi OS, Pratiningrum M, Yadi Y. Hubungan Nilai Ct Pada Pemeriksaan Real-Time Rt-Pcr Sars-Cov-2 Dengan Gejala Klinis. *J Kedokt Mulawarman*. 2021;8(3):89.
30. Shah S, Singhal T, Davar N, Thakkar P. No correlation between Ct values and severity of disease or mortality in patients with COVID 19 disease. *Indian J Med Microbiol*. 2021;39(1):116–7.
31. Notoatmodjo S. *Metodologi Penelitian Kesehatan*. 3rd ed. Jakarta: Rineka Cipta; 2018.
32. Tamara D, Esfandiari F, Triwahyuni T. HUBUNGAN NILAI CYCLE THRESHOLD VALUE (CT VALUE) DENGAN TINGKAT KEMATIAN PASIEN COVID 19 DI RUMAH SAKIT UMUM DAERAH (RSUD) PESAWARAN LAMPUNG. *J Univ Malahayati [Internet]*. 2022; Available from: <http://repository.malahayati.ac.id/index.php/aritkel-dilanggan/article/view/1053>
33. Singanayagam A, Patel M, Charlett A, Bernal JL, Saliba V, Ellis J, et al. Duration of infectiousness and correlation with RT-PCR cycle threshold values in cases of COVID-19, England, January to May 2020. *Eurosurveillance*. 2020;25(32):1–5.