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**Gambaran Kadar C-Reactive Protein (CRP) Pada Pasien COVID-19 di
RS Urip Sumoharjo Tahun 2021**

xiv + 29 halaman, 5 tabel, 9 gambar, dan 9 lampiran

ABSTRAK

Coronavirus Disease 2019 (COVID-19) adalah penyakit infeksi yang menjadi pandemi di seluruh dunia sejak tahun 2019 hingga sekarang. Penyakit ini disebabkan oleh virus SARS-CoV-2 yang menyerang sel epitel pada saluran napas khususnya pada bagian alveolus organ paru-paru dengan atau tanpa gejala. Pada kondisi terpapar COVID-19 terjadi proses inflamasi pada saluran pernafasan, dimana pada proses inflamasi tubuh melepaskan berbagai sitotoksin pro-inflamasi, salah satunya termasuk protein fase aktif seperti *C-Reactive Protein* (CRP) yang digunakan untuk melihat tingkat keparahan penyakit dan menilai derajat kerusakan jaringan yang sedang terjadi pada pasien COVID-19. Penelitian ini bertujuan untuk menghitung distribusi frekuensi kadar *C-Reactive Protein* (CRP) pada pasien COVID-19 di RS Urip Sumoharjo tahun 2021 dan untuk menganalisis hubungan kadar CRP dengan usia. Jenis penelitian bersifat deskriptif dengan menggunakan data sekunder. Jumlah sampel penelitian ini adalah total populasi yaitu sebanyak 212 subjek penelitian. Analisa data menggunakan analisis univariat dan analisis bivariat. Hasil penelitian didapatkan peningkatan kadar CRP melebihi batas normal pada 151 pasien (71,2%) dengan memiliki mean \pm SD $66,725 \pm 69,589$ mg/L, median 34,59 mg/L, nilai min 0,5 mg/L dan nilai max 200 mg/L dan hasil analisis data statistik adanya hubungan yang signifikan dengan korelasi positif sedang antara kadar CRP dan usia dengan nilai p-value 0,0001 ($<0,05$).

Kata Kunci : *C-Reactive Protein* (CRP), COVID-19
Daftar Bacaan : 24 (2014-2021)

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Overview of C-Reactive Protein (CRP) Levels in COVID-19 Patients in Indonesia
Urip Sumoharjo Hospital in 2021

xiv + 29 pages, 5 tables, 9 pictures and 9 appendices

ABSTRACT

Coronavirus Disease 2019 (COVID-19) is an infectious disease that has become a worldwide pandemic since 2019 until now. This disease is caused by the SARS-CoV-2 virus which attacks epithelial cells in the respiratory tract, especially in the alveoli of the lungs with or without symptoms. In conditions exposed to COVID-19, an inflammatory process occurs in the respiratory tract, where in the inflammatory process the body releases various pro-inflammatory cytotoxins, one of which includes active-phase proteins such as *C-Reactive Protein* (CRP) which is used to see the severity of the disease and assess the degree of tissue damage that is happening in COVID-19 patients. This study aims to calculate the frequency distribution of *C-Reactive Protein* (CRP) levels in COVID-19 patients at Urip Sumoharjo Hospital in 2021 and analyze the correlation between CRP levels with age. This study was conducted descriptive by using secondary data. The number of samples in this study is the total population of 212 research subjects. The data analysis was performed using univariate and bivariate analysis. The results showed that the increase in CRP levels exceeded the normal limit in 151 patients (71.2%) with a mean \pm SD of 66.725 ± 69.589 mg/L, a median of 34.59 mg/L, a min value of 0.5 mg/L and a max value of 200 mg/L and the results of statistical data analysis showed a significant relationship with a moderately positive correlation between CRP levels and age with a p-value of 0.0001 (<0.05).

Keywords : C-Reactive Protein (CRP), COVID-19
Reading List : 24 (2014-2021)