

INTISARI

Mirnawati. NIM 3212069. Hubungan Nilai Interleukin-6 dan Hs-CRP Pada Pasien Covid 19 dengan Gejala Berat di Laboratorium Klinik Prodia Makassar.

Corona Virus Disease 2019 (COVID-19) adalah penyakit menular baru yang disebabkan oleh *novel coronavirus* yang dikenal dengan *Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2)*, Pasien penderita *Coronavirus disease-19 (Covid-19)* gejala berat mengalami hiperinflamasi dan juga badai sitokin yang berkontribusi terhadap tingginya angka mortalitas. Diperlukan suatu parameter klinis yang berguna untuk stratifikasi risiko pasien Covid-19. Penelitian ini bertujuan untuk mengetahui hubungan nilai Interleukin-6 dan Hs-CRP pada pasien Covid-19 dengan gejala berat di Laboratorium Klinik Prodia Makassar. Penelitian ini merupakan penelitian analitik observasional dengan pendekatan *cross sectional*. Subyek penelitian ini adalah 30 pasien penderita Covid-19 dengan gejala berat, waktu penelitian Desember 2021 - April 2022. Pemeriksaan Interleukin-6 dan Hs-CRP ini dikerjakan di alat automatic Roche Cobas 6000. Analisa data menggunakan Uji Korelasi *Pearson-Product Moment* dengan menggunakan bantuan program *Statistical Product and Service Solution*. Hasil analisis penelitian menunjukkan nilai signifikansi yaitu sebesar $0,000 < \alpha = 0,005$. Kesimpulan dari penelitian ini adalah ada hubungan antara Interleukin-6 dan Hs-CRP pada pasien Covid-19 gejala berat di Laboratorium Klinik Prodia Makassar.

Kata Kunci : Interleukin-6, Hs-CRP, Covid-19.

ABSTRACT

Mirnawati. NIM 3212069. Relationship Between Interleukin-6 and Hs-CRP In Covid-19 Patients with Severe Symptoms in Makassar Prodia Clinical Laboratory.

Corona Virus Disease 2019 (COVID-19) is a new infectious disease caused by a *novel coronavirus* known as Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2). Patients with severe symptoms of *Coronavirus disease-19* (Covid-19) experience hyperinflammation and also a cytokine storm which contributes to the high mortality rate. A useful clinical parameter is needed for risk stratification of Covid-19 patients. This study aims to determine the relationship between Interleukin-6 and Hs-CRP values in Covid-19 patients with severe symptoms at the Prodia Makassar Clinical Laboratory. This research is an observational analytic study with a cross sectional approach. The subjects of this study were 30 patients with Covid-19 with severe symptoms, the time of the study was December 2021 - April 2022. Interleukin-6 and Hs-CRP examinations were carried out on the Roche Cobas 6000 automatic device. Analysis of the data using the Pearson-Product Moment Correlation Test using the help of the Statistical Product and Service Solution program. The results of the research analysis showed a significance value of $0.000 < = 0.005$. The conclusion of this study is that there is a relationship between Interleukin-6 and Hs-CRP in Covid-19 patients with severe symptoms at the Prodia Makassar Clinical Laboratory.

Keywords: Interleukin-6, Hs-CRP, Covid-19.