

**KORELASI KADAR *PROCALCITONIN* DENGAN
NEUTROPHIL LYMPHOCYTE RATIO (NLR) PADA
PASIEN COVID -19
DI RSUP dr SOERADJI TIRTONEGORO KLATEN
TAHUN 2021**

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Abstrak

Corona virus Disease 2019 (Covid-19) adalah penyakit infeksi saluran pernafasan yang disebabkan oleh *Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)*. Berdasarkan laporan Kemenkes RI satu tahun setelah kemunculan kasus Covid-19 pertama di Indonesia yaitu tanggal 2 April 2021 terdapat 129.215.179 kasus . Salah satu parameter yang menjadi protokol pemeriksaan laboratorium untuk pasien Covid-19 adalah pemeriksaan *Procalcitonin (PCT)* dan *Neutrophil Lymphocyte Ratio (NLR)* untuk menentukan prognosis pasien dalam berbagai situasi klinis. Penelitian ini bertujuan mengetahui korelasi kadar PCT dan NLR pada pasien COVID-19 di RSUP dr Soeradji Tirtonegoro Klaten . Jenis Penelitian ini adalah penelitian Observasional analitik (survey analitik). Sampel dalam penelitian ini adalah pasien COVID-19 yang diperiksa PCR dinyatakan positif dan rawat inap di dr. Soeradji Tirtonegoro Klaten. Variabel penelitian yaitu kadar PCT dan Nilai NLR pasien COVID-19, data diambil pada bulan Mei sampai Desember Tahun 2021. Hasil penelitian ini diperoleh rata-rata kadar PCT 2,6 ng/ml, dan NLR 6,18 dan didapatkan korelasi 0.344 (rendah).

Kunci: COVID-19, PCT, NLR

Correlation Of Procalcitonin Levels With Neutrophil Lymphocyte Ratio (NLR) In Covid-19 Patiens At RSUP dr. Soeradji Tirtonegoro Klaten

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Abstract

Corona virus Disease 2019 (Covid-19) is a respiratory tract infection disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Based on the report from the Indonesian Ministry of Health, one year after the appearance of the first Covid-19 case in Indonesia, namely April 2, 2021, there were 129,215,179 cases. One of the parameters that has become a laboratory examination protocol for Covid-19 patients is the Procalcitonin (PCT) and Neutrophil Lymphocyte Ratio (NLR) examinations to determine the patient's prognosis in various clinical situations. This study aims to determine the correlation between PCT and NLR levels in COVID-19 patients at Dr Soeradji Tirtonegoro Hospital, Klaten. This type of research is analytic observational research (analytic survey). The samples in this study were COVID-19 patients who tested positive for PCR and were hospitalized at dr. Soeradji Tirtonegoro Klaten. The research variables were PCT levels and NLR values of COVID-19 patients,

data was taken from May to December 2021. The results of this study obtained an average PCT level of 2.6 ng/ml, and a NLR of 6.18 and a correlation of 0.344 (low) was obtained.

Key: COVID-19, PCT, NLR

