

ABSTARK

Covid-19 merupakan penyakit menular yang disebabkan oleh tipe baru coronavirus dengan gejala gangguan pernapasan akut seperti demam, batuk dan sesak napas. Tujuan penelitian ini adalah untuk menganalisis perbedaan lama rawat inap dan pemeriksaan laboratorium (leukosit, trombosit, neutrofil, limfosit, D-dimer) terhadap penyakit komorbid dan non komorbid pasien Covid 19 di Rumah Sakit Royal Prima Medan. Jenis penelitian yaitu penelitian komparatif dengan pengumpulan data sekunder sebanyak 280 pasien komorbid dan 280 pasien non komorbid pada bulan Agustus 2021 – Januari 2022. Data dianalisis secara univariat, bivariat dengan uji *Mann Withney*. Hasil dari penelitian ini yaitu: Berdasarkan mean lama rawat inap pasien komorbid lebih tinggi yaitu 12,22 daripada pasien non komorbid yaitu 5,28. Hasil pemeriksaan laboratorium leukosit pasien komorbid lebih tinggi yaitu 13,17 daripada pasien non komorbid yaitu 10,07. Berbeda dengan Trombosit lebih kecil yaitu 268,87 daripada pasien non komorbid yaitu 278,91. Neutrofil pasien komorbid lebih tinggi yaitu 76,28 daripada pasien non komorbid yaitu 61,13. Limfosit pasien komorbid lebih kecil yaitu 13,28 daripada pasien non komorbid yaitu 25,93. D-dimer pasien komorbid tidak terlalu berbeda jauh yaitu 1259,85 daripada pasien non komorbid yaitu 557,16. Pada analisis bivariat terdapat hasil p value = 0,000 lebih kecil dari $\alpha \leq 0,05$ yang berarti ada perbedaan lama rawat inap (-7,975) dan pemeriksaan laboratorium (leukosit (-8,756), trombosit (-1,643), neutrofil (-10,642), limfosit (-11,378), D-dimer (-11,680)) terhadap penyakit komorbid dan non komorbid pasien Covid-19 di RSU Royal Prima Medan. Kesimpulan pada penelitian ini yaitu terdapat perbedaan yang bermakna antara lama rawatan dan pemeriksaan laboratorium (leukosit, trombosit, neutrofil, limfosit, D-dimer) terhadap penyakit komorbid dan non komorbid pada pasien Covid-19 di RSU Royal Prima Medan

Kata kunci: Covid-19, Lama rawat inap, Pemeriksaan Laboratorium, leukosit, trombosit, neutrofil, limfosit, D-dimer, RSU Royal Prima Medan

ABSTRACT

Covid-19 is an infectious disease caused by a new type of coronavirus with symptoms of acute respiratory distress such as fever, cough and shortness of breath. The purpose of this study was to analyze the differences in length of stay and laboratory tests (leukocytes, platelets, neutrophils, lymphocytes, D-dimers) on comorbid and non-comorbid diseases of Covid 19 patients at Royal Prima Hospital Medan. The type of research is a comparative study with secondary data collection of 280 comorbid patients and 280 non-comorbid patients in August 2021 - January 2022. Data were analyzed univariately, bivariately with the Mann Withney test. The results of this study are: Based on the mean length of stay for comorbid patients, it is 12.22 higher than non-comorbid patients, which is 5.28. The results of the laboratory examination of leukocytes in comorbid patients were higher at 13.17 than in non-comorbid patients, namely 10.07. In contrast, platelets were smaller, namely 268.87 than non-comorbid patients, namely 278.91. Neutrophils in comorbid patients were 76.28 higher than non-comorbid patients, namely 61.13. The lymphophyte of comorbid patients was 13.28 smaller than that of non-comorbid patients, which was 25.93. The D-dimer of comorbid patients was not too much different, namely 1259.85 than that of non-comorbid patients, namely 557.16. In the bivariate analysis, the results of p value = 0.000 are smaller than 0.05 which means there is a difference in length of hospitalization (-7.975) and laboratory examinations (leukocytes (-8.756), platelets (-1.643), neutrophils (-10.642), lymphocytes (-11,378), D-dimer (-11,680)) against comorbid and non-comorbid diseases of Covid-19 patients at RSU Royal Prima Medan. The conclusion of this study is that there is a significant difference between the length of stay and laboratory tests (leukocytes, platelets, neutrophils, lymphocytes, D-dimer) on comorbid and non-comorbid diseases in Covid-19 patients at RSU Royal Prima Medan.

Keywords: *Covid-19, length of hospitalization, laboratory examination, leukocytes, platelets, neutrophils, lymphocytes, D-dimer, RSU Royal Prima Medan*