

ABSTRAK

Penyakit jantung akut termasuk 10 penyakit tidak menular terbanyak di Indonesia. Penyakit jantung akut dapat ditegakkan melalui EKG (Elektrokardiogram) atau enzim Troponin, namun tidak semua fasilitas kesehatan memilikinya. NLR (*Neutrophyl/Lymphocyte Ratio*) adalah salah satu pemeriksaan pada pasien dengan keluhan nyeri dada. Tujuan penelitian untuk mengetahui hubungan antara nilai NLR (*Neutrophyl/Lymphocyte Ratio*) dan hs-TnI (*high sensitivity Troponin I*) pada pasien penyakit jantung akut yang perlu penanganan cepat. Jenis penelitian ini adalah deskriptif kuantitatif dengan mengambil data sekunder di RS Husada Utama Surabaya periode Januari 2023 - Maret 2024 sebanyak 52 sampel yang memenuhi kriteria sampel inklusi. Hasil penelitian ini menunjukkan ada hubungan nilai NLR (*Neutrophyl/Lymphocyte Ratio*) dan hs-TnI (*high sensitivity Troponin I*) pada pasien penyakit jantung akut di RS Husada Utama Surabaya, mayoritas pasien penyakit jantung akut adalah laki-laki sebanyak 30 orang dengan rentang usia 46-55 tahun. Analisa data dengan uji Spearman didapat angka koefisien korelasi sebesar 0.279 yang menunjukkan hubungan antara variabel dan nilai signifikansi $0.045 < 0.05$. Penelitian ini menyimpulkan ada hubungan nilai NLR (*Neutrophyl/Lymphocyte Ratio*) dan hs-TnI (*high sensitivity Troponin I*) pada penyakit jantung akut di RS Husada Utama Surabaya.

Kata kunci : Penyakit jantung akut, hs-TnI (*high sensitivity Troponin I*), NLR (*Neutrophyl/Lymphocyte Ratio*).

ABSTRACT

Acute heart disease is among the 10 most common non-communicable diseases in Indonesia. Acute heart disease can be established through an ECG (Electrocardiogram) or Troponin enzyme, but not all health facilities have it. NLR (Neutrophyl / Lymphocyte Ratio) is one of the examinations in patients with complaints of chest pain. This study aims to determine the relationship between NLR (Neutrophyl / Lymphocyte Ratio) and hs-TnI (high sensitivity Troponin I) values in acute heart disease patients who need fast treatment. This type of research is descriptive quantitative by taking secondary data at Husada Utama Hospital Surabaya for the period January 2023 - March 2024 as many as 52 samples that meet the criteria of inclusion samples. The results of this study showed that there was a relationship between NLR (Neutrophyl / Lymphocyte Ratio) and hs-TnI (high sensitivity Troponin I) values in acute heart disease patients at Husada Utama Hospital Surabaya, the majority of acute heart disease patients were men as many as 30 people with an age range of 46-55 years. Data analysis with the Spearman test obtained a correlation coefficient number of 0.279 which shows the level of strength of the relationship between variables and significance values of $0.045 < 0.05$. The conclusion of this study is the relationship between NLR (Neutrophyl / Lymphocyte Ratio) and hs-TnI (high sensitivity Troponin I) values in acute heart disease at Husada Utama Hospital Surabaya.

Keywords : Acute heart disease, hs-TnI (high sensitivity Troponin I), NLR (Neutrophyl/Lymphocyte Ratio).