

INTISARI

MENDONCA, E. D. C . 2023. HUBUNGAN RASIO NEUTROFIL DAN LIMFOSIT DENGAN LAMA DEMAM PADA PASIEN DEMAM BERDARAH DENGUE DI PUSKESMAS AILEU, TIMOR-LESTE. Skripsi. Program Studi D4 Analisis Kesehatan, Fakultas Ilmu Kesehatan Universitas Setia Budi Surakarta.

Demam Berdarah Dengue disebabkan oleh virus dengue, vektor utama penularan penyakit ini adalah nyamuk *Aedes aegypti*. NLCR *Neutrofil to lymphocyte count ratio* (NLCR) merupakan perhitungan perbandingan jumlah neutrofil absolut dengan jumlah limfosit absolut yang dapat digunakan sebagai prediktor atau marker inflamasi. Isidensi kasus di Timor-Leste awal Januari 2022 hingga saat ini sebanyak kasus 4.003 dan 50 orang meninggal dunia. Tujuan penelitian ini adalah untuk mengetahui hubungan rasio neutrofil dan limfosit dengan lama demam pada pasien demam berdarah dengue di Puskesmas Aileu, Timor-Leste.

Jenis penelitian adalah metode *analitik* observasional dengan rancangan belah lintang (*cross sectional*). Penelitian ini menggunakan data sekunder data dari periode bulan Februari-April 2023. Tempat penelitian di Laboratorium Puskesmas Aileu, Timor-Leste. Populasi penelitian ini adalah keseluruhan data penderita demam berdarah dengue yang melakukan pemeriksaan darah lengkap. Teknik pengambilan sampel yaitu *Total sampling* sebanyak 35 pasien demam berdarah dengue. Data diolah menggunakan uji *Chi square*.

Hasil penelitian dapat disimpulkan bahwa tidak terdapat hubungan antara rasio neutrofil dan limfosit dengan lama demam pada pasien demam berdarah dengue di Puskesmas Aileu, Timor-Leste.

Kata kunci : Rasio Neutrofil, Limfosit, Lama Demam, Demam Berdarah Dengue.

ABSTRACT

MENDONCA, E. D. C. 2023. CORRELATION BETWEEN NEUTROPHIL AND LYMPHOCYTE RATIO WITH DURATION OF FEVER IN DENGUE HEMORRHAGIC FEVER PATIENTS AT AILEU, TIMOR-LESTE HEALTH CENTER. Thesis. D4 Medical Laboratory Technology Study Program, Faculty of Health Sciences. Setia Budi University, Surakarta.

Dengue Hemorrhagic Fever is caused by the dengue virus, the main vector of transmission of this disease is mosquitoes *Temples of the Egyptians*. NLCR *Neutrophil to lymphocyte count ratio* (NLCR) is a calculation of the ratio of the absolute neutrophil count to the absolute lymphocyte count that can be used as a predictor or marker of inflammation. The incidence of cases in Timor-Leste in early January 2022 to date is 4,003 cases and 50 people have died. The purpose of this study was to determine the relationship between the ratio of neutrophils and lymphocytes with duration of fever in patients with dengue hemorrhagic fever at the Aileu Health Center, Timor-Leste.

This type of research is a method *analyst* observational with a cross-sectional design (*cross sectional*). This study used secondary data from February-April 2023. The research location was at the Aileu Health Center Laboratory, Timor-Leste. The population of this study was all data on dengue hemorrhagic fever patients who had a complete blood count. Sampling technique *viz Total sampling* as many as 35 patients with dengue hemorrhagic fever. Data is processed using test *Who squares*.

The results of the study can be concluded that there is no relationship between the ratio of neutrophils and lymphocytes with duration of fever in patients with dengue hemorrhagic fever at the Aileu Health Center, Timor-Leste.

Keywords : Ratio Neutrophil, Lymphocyte, Duration of Fever, Dengue Hemorrhagic Fever.