

POLITEKNIK KESEHATAN TANJUNGPUR
JURUSAN TEKNOLOGI LABORATORIUM MEDIS
PRODI TEKNOLOGI LABORATORIUM MEDIS
PROGRAM DIPLOMA TIGA
Karya Tulis Ilmiah, Juni 2022

Novia Ragil Permatasari

Komparasi Derajat Parasitemia pada *Plasmodium falciparum* dan *Plasmodium vivax* di UPT Puskesmas Hanura Tahun 2021

xv + 27 halaman, 7 tabel, 8 gambar, 11 lampiran

ABSTRAK

Derajat parasitemia adalah persentase individu dalam populasi yang apusan darahnya memperlihatkan kepadatan parasit. Tujuan penelitian mengetahui komparasi derajat parasitemia pada *Plasmodium falciparum* dan *Plasmodium vivax* di UPT Puskesmas Hanura Tahun 2021. Jenis penelitian komparatif dengan rancangan *cross sectional* dan menggunakan uji *Mann-Whitney Test* serta *Chi-square*. Penelitian dilakukan di UPT Puskesmas Hanura Kecamatan Teluk Pandan Kabupaten Pesawaran, pada bulan Februari sampai Mei 2022. Sampel pada penelitian 224 penderita malaria. Hasil penelitian didapatkan derajat parasitemia pada *Plasmodium falciparum* terbanyak dengan derajat parasitemia 4+ (32,1%) *Plasmodium vivax* dengan derajat parasitemia 3+ (49,5%) dan terdapat perbedaan bermakna dengan nilai *p-value* = 0,020 ($p < 0,05$). Berdasarkan kelompok umur 5-14 tahun merupakan terbanyak *Plasmodium falciparum* (25,0%) dan *Plasmodium vivax* (27,4%) tidak terdapat perbedaan bermakna dengan nilai *p-value* = 0,992 ($p > 0,05$). Penderita malaria berdasarkan jenis kelamin laki-laki merupakan terbanyak pada *Plasmodium falciparum* (53,6%) *Plasmodium vivax* (63,3%) dengan nilai nilai *p-value* = 0,323 ($p > 0,05$).

Kata kunci : Malaria, Derajat Parasitemia, komparasi

Daftar bacaan : 22 (2011-2021)

TANJUNGPURANG HEALTH POLYTECHNIC
DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY
MEDICAL LABORATORY TECHNOLOGY STUDY
THREE DIPLOMA PROGRAM
Scientific Writing, June 2022

Novia Ragil Permatasari

Comparison of Parasitemia Degrees in Plasmodium falciparum and Plasmodium vivax at UPT Puskesmas Hanura in 2021

xv + 27 pages, 7 tables, 8 pictures, 11 attachments

ABSTRACT

The degree of parasitemia is the percentage of individuals in the population whose blood smears show parasite density. The purpose of the study was to compare the degree of parasitemia in Plasmodium falciparum and Plasmodium vivax at UPT Puskesmas Hanura in 2021. This type of comparative study was cross-sectional design and used the Mann-Whitney Test and Chi-square test. The study was conducted at the Hanura Public Health Center, Teluk Pandan District, Pesawaran Regency, from February to May 2022. The sample in the study was 224 malaria patients. The results showed that the highest degree of parasitemia in Plasmodium falciparum with parasitemia degree 4+ (32.1%) Plasmodium vivax with parasitemia degree 3+ (49.5%) and there was a significant difference with p-value = 0.020 ($p < 0.05$). Based on the age group 5-14 years, Plasmodium falciparum (25.0%) and Plasmodium vivax (27.4%) were the most common, there was no significant difference with p-value = 0.992 ($p > 0.05$). Malaria patients based on male sex were the most common in Plasmodium falciparum (53.6%) Plasmodium vivax (63.3%) with p-value = 0.323 ($p > 0.05$).

Keywords: Malaria, Parasitemia Degree, comparison
Reading list : 22 (2011-2021)