

TANJUNG KARANG HEALTH POLYTECHNIC
ENVIRONMENTAL HEALTH DEPARTMENT

Final Project Report, June 2024

Dwi Adelliana

Description of mosquito's anopheles life behavior and home environmental conditions in malaria sufferers in Gebang village, Teluk Pandan sub-district, Pesawaran district

xvi+ 64 Pages, 8 Tables, 3 Figures, and 10 Attachments

ABSTRACT

Malaria is a disease caused by a parasite called Plasmodium. This disease is transmitted through the bite of a mosquito infected with the parasite. In the human body, the Plasmodium parasite will reproduce in the liver and then infect red blood cells

Pesawaran Regency does have areas that are receptive to endemic malaria, especially along the coast in Teluk Pandan sub-district. The increase in malaria cases is a result of the physical environmental conditions of the house, namely whether it is easy for mosquitoes to enter the house which is influenced by ventilation installed with wire mesh, the density of the walls and the presence of the ceiling in the house. Environmental conditions around the house that support mosquito breeding are whether there are mosquito breeding and stopping places around the house.

Based on the results of research on Sanitation of Malaria Sufferers' Houses, the temperature condition of Malaria Sufferers' houses did not meet the requirements in 45 houses (34.6%), The humidity condition of Malaria Sufferers' houses did not meet the requirements in 72 houses (55.3%), The condition of the wire mesh in the Sufferers' houses. There were 79 houses (60.7%), The condition of the ceilings of Malaria Sufferers' houses did not meet the requirements as many as 34 houses (52.3%), The condition of the wire mesh of Malaria Sufferers' houses did not meet the requirements as many as 68 houses (26.1%)

Key words: physical conditions, environment, malaria

Reading List: 21 (2010-2023)

POLITEKNIK KESEHATAN KEMENKES TANJUNGPINANG
JURUSAN KESEHATAN LINGKUNGAN

Laporan Tugas Akhir, Juni 2024

Dwi Adellana

Gambaran Perilaku Hidup Nyamuk Anopheles Dan Kondisi Lingkungan Rumah Pada Penderita Malaria Di Desa Gebang Kecamatan Teluk Pandan Kabupaten Pesawaran Provinsi Lampung
Xv + 64 Halaman, 8 Tabel, 3 Gambar, dan 10 Lampiran.

RINGKASAN

Malaria adalah penyakit yang disebabkan oleh parasit bernama *Plasmodium*. Penyakit ini ditularkan melalui gigitan nyamuk yang terinfeksi parasit tersebut. Di dalam tubuh manusia, parasit *Plasmodium* akan berkembang biak di organ hati kemudian menginfeksi sel darah merah.

Kabupaten Pesawaran ini memang memiliki daerah reseptif endemis malaria, khususnya di sepanjang pesisir pantai di kecamatan Teluk Pandan. Peningkatan kasus malaria akibat dari kondisi lingkungan fisik rumah yaitu mudah tidaknya nyamuk masuk ke dalam rumah yang dipengaruhi oleh ventilasi yang dipasang kawat kasa, kerapatan dinding dan adanya langit-langit rumah. Kondisi lingkungan sekitar rumah yang mendukung perindukan nyamuk yaitu ada tidaknya tempat perindukan dan persinggahan nyamuk di sekitar rumah.

Berdasarkan hasil penelitian Sanitasi Rumah Penderita Malaria Kondisi suhu rumah Penderita Malaria yang tidak memenuhi syarat sebanyak 45 rumah (34,6%), Kondisi kelembaban rumah Penderita Malaria yang tidak memenuhi syarat sebanyak 72 rumah (55,3%), Kondisi kawat kasa rumah Penderita Malaria yang tidak memenuhi syarat sebanyak 79 rumah (60,7%), Kondisi langit – langit rumah Penderita Malaria yang tidak memenuhi syarat sebanyak 34 rumah (52,3%), Kondisi kawat kasa rumah Penderita Malaria yang tidak memenuhi syarat sebanyak 68 rumah (26,1%)

Kata kunci: kondisi fisik, lingkungan, malaria
Daftar Bacaan : 21 (2010-2023)