

Pemakaian kelambu sebagai upaya pencegahan malaria di Puskesmas Hanura Kabupaten Lampung Selatan tahun 2006

Asrul Hudaira, author

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Abstrak

Malaria is an infectious disease caused by a malaria parasite spread by female Anopheles mosquitoes, and is currently a public health problem. Besides causing death, it also affects work productivity and income.

Puskesmas Hanura, which is included as a High Incidence Area with AMI of 159,8 per 1000 persons, has done many efforts to deal with malaria, one of those is encouraging the use of bednets by distributing them to the community. The community there uses bednets while sleeping to help prevent malaria incidence.

This study used case control design, to elicit whether there is any significant relationship between exposure to mosquitoes and malaria by comparing case group and control group. Data were collected from Puskesmas I-Hanura, with case group being patients who have been diagnosed with malaria (based on clinical symptoms and laboratory result) and control group are those who are not diagnosed with malaria. Primary data were also collected using structured questionnaires.

The result of bivariate analysis with a confidence of 95% showed that variables correlating with malaria incidence the use of bednets with p value = 0,000 and OR = 4,177 (95%: 2,537-6,879), the use of mosquito coil with p value = 0,038 and OR = 1,962 (95% CI: 1,078-3,571) and being outside the housing during night time with p value = 0,016 and OR = 1,926 (95% CI: 1,159-3,201).

The result of multivariate analysis showed that using bednets when sleeping has a correlation with malaria incidence. Those who do not use bednets have 4,177 times greater risk to catch malaria than those who do.

It is suggested that the community be given thorough information on the importance of preventing the spread of malaria. The distribution of bednets should be continued and information should be given also regarding how to use bednets properly and their benefits. It is also suggested that people should stay inside the house at night.