Faktor iklim terhadap kejadian demam berdarah dengue dbd di kabupaten sumenep tahun 1999-2008 = Climate factor and dengue hemorrhagic fever dhf incidence at sumenep district year 1999-2008

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Abstrak

Demam berdarah dengue (DBD) di Sumenep mengalami peningkatan yang cukup signifikan selama 9 tahun, sejak 1999-2007dan pada tahun 2008 insiden DBD mengalami penurunan sedikit dari tahun sebelumnya, 2007. Berdasarkan berbagai penelitian, faktor iklim terutama suhu, kelembaban, dan curah hujan diyakini dapat berpengaruh terhadap angka insiden DBD. Penelitian ini bertujuan untuk mengetahui korelasi faktor iklim dengan kejadian DBD di Sumenep, tahun 1999-2008. Hubungan suhu, kelembaban, dan curah hujan terhadap angka insiden DBD menggunakan studi ekologi time series dan dianalisis menggunakan uji korelasi dan regresi linier sederhana.
Hasil penelitian menyatakan bahwa suhu, kelembaban, curah hujan memiliki korelasi dengan DBD (p<0,05), yaitu secara berurutan (0,052; 0,000; 0,000). Insiden DBD memiliki korelasi dengan suhu (r = -0,178; p = 0,052) kelembaban (r = 0,600; p= 0,000), dan curah hujan (r = 0,464; p = 0,000).
<hr>Dengue in Sumenep were raising for past 9 years, since 1999 until 2007 and in 2008, the incidence decreased than incidence in 2007. Based on a several researches, climatic factors have well-defined roles in dengue transmision. The aim of this study is to find out the correlation between climatic factors like temperature, relativite humidity, and rainfall with dengue incidence in Sumenep District year 1999-2008. The relationship between temperature, relative humidity, and rainfall were studied using ecological time series study, and were analyzed by correlation and simple linier regression test.
The result of this study showed that temperature, humidity rainfall have significant correlation with DBD incidences (p>0,05), which is in a series (0,052; 0,000; 0,000). Dengue incidence was significantly correlated with temperature (r = -0,178; p = 0,052) relative humidity (r = 0,600; p = 0,000), and rainfall (r = 0,464; p = 0,000).