

## Kepadatan dan distribusi aedes aegypti di Kelurahan Cempaka Putih Timur dan Cempaka Putih Barat, Jakarta Pusat = Aedes aegypti s density and distribution in Cempaka Putih Timur and Cempaka Putih Barat, Districts Central Jakarta

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### Abstrak

DBD merupakan penyakit infeksi yang disebabkan oleh virus dengue dan ditularkan melalui vektor nyamuk *Aedes aegypti*. Kelurahan Cempaka Putih Timur dan Cempaka Putih Barat, merupakan daerah administratif di Jakarta Pusat yang termasuk zona merah DBD pada bulan Maret 2009, sehingga diperlukan upaya pengendalian dan pemberantasan *Ae.aegypti*. Kepadatan dan distribusi *Ae.aegypti* dinilai dari container index, house index dan breteau index.

Penelitian ini bertujuan untuk mengetahui kepadatan dan distribusi *Ae.aegypti* di Kelurahan Cempaka Putih Timur dan Cempaka Putih Barat berdasarkan CI, HI dan BI. Penelitian menggunakan data primer yang diambil pada tanggal 28 Maret 2010. Penelitian ini berupa survei larva di 100 rumah RW 07 Kelurahan Cempaka Putih Timur dan 100 rumah RW 03 Cempaka Putih Barat. Larva diambil dengan Single larva method dan diidentifikasi di Laboratorium Parasitologi FKUI. Data dianalisis menggunakan uji statistik chi square untuk mengetahui hubungan larva *Ae.aegypti* dengan wilayah Kelurahan Cempaka Putih Timur dan Cempaka Putih Barat.

Dari survei 100 rumah di RW 07 Kelurahan Cempaka Putih Timur didapatkan CI 15.73%, HI 38%, dan BI 56 serta ditemukan 56 container positif larva dari 356 container. Sedangkan di RW 03 Kelurahan Cempaka Putih Barat didapatkan CI 5.96%, HI 17%, dan BI 18 serta ditemukan 18 container positif larva dari 302 container. Pada uji chi square didapatkan  $p=0.000$  ( $p<0.001$ ) yang menunjukkan terdapat perbedaan bermakna antara keberadaan larva *Ae.aegypti* dengan wilayah Kelurahan Cempaka Putih Timur dan Cempaka Putih Barat. Pada penelitian ini disimpulkan bahwa kepadatan dan distribusi *Ae.aegypti* di Kelurahan Cempaka Putih Timur lebih tinggi dibandingkan Kelurahan Cempaka Putih Barat.

.....Dengue Hemorrhagic Fever (DHF) is a disease that caused by viral infection and transmitted by *Aedes aegypti*. Cempaka Putih Timur and Cempaka Putih Barat districts are administrative territories in Central Jakarta which have been classified into red zone of DHF disease at March 2009, in this situation it requires immediate disease control and prevention. *Ae.aegypti*'s density and distribution can be determined by the value of container index (CI), house index (HI) and breteau index (BI).

The purpose of this research is to identify and calculate the density and distribution of *Ae.aegypti* in Cempaka Putih Timur and Cempaka Putih Barat districts. The study used primary data which has been obtained previously at March 28th 2010. The study conducted larvae survey in 100 houses in RW 07 Cempaka Putih Timur and RW 03 Cempaka Putih Barat. The data was analyzed with chi square's test to determine the association between the existence of *Aedes aegypti*'s larvae with Cempaka Putih Timur and Cempaka Putih Barat districts. From 100 surveyed houses in RW 07 Cempaka Putih Timur district, the CI value was 15.73%, the HI value was 38%, and the BI value was 56 and from all identified containers there were 56 containers larvae positive from total 356 containers.

From 100 surveyed houses in RW 03 Cempaka Putih Barat district, the CI value was 5.96%, the HI value

was 17%, and the BI value was 18 and from all identified containers there were 18 containers larvae positive from total 302 containers. Chi square's test revealed the p value of 0.000 ( $p < 0.001$ ) which stated an association between the existence of *Aedes aegypti*'s larvae with Cempaka Putih Timur and Cempaka Putih Barat districts. The conclusion remarks that the larvae density and distribution in Cempaka Putih Timur district was higher than Cempaka Putih Barat district.