

ABSTRACT

Background: *Aedes aegypti* breeding is influenced by physical environment, one of which is breeding place which includes type of container, base material, location, shape, color, volume, presence of cover, water source and water cleanliness.

Method: This type of research is comparative research with cross sectional approach. The method used is single larvae to the houses in RW 8 Kelurahan Mojo.

Result: The results showed that the container of tub type 14 containers (13%) positive *Aedes aegypti* larvae, container of barrel type 7 container (12,3%) positive *Aedes aegypti* larva, and container of bucket type from 4 container (11,4%) positive *Aedes aegypti* larvae. In container with ceramic base material 10 container (15,2%) positive *Aedes aegypti* larvae, container with plastic base material 11 container (12%) positive *Aedes aegypti* larvae, and container with cement material 4 container (11,8%) positive *Aedes aegypti* larvae. In containers placed outside the house 3 containers (5.3%) positive *Aedes aegypti* larvae and on containers placed in the house 22 containers (16.3%) positive *Aedes aegypti* larvae. In containers with a cover 7 containers (10.4%) positive *Aedes aegypti* larvae and in an uncover container 18 containers (14.4%) positive *Aedes aegypti* larvae. In a mossy container 1 container (14.3%) positive *Aedes aegypti* larvae and in not mossy container 24 containers (13%) positive *Aedes aegypti* larvae. In containers with clear water 22 containers (16.4%) positive *Aedes aegypti* larvae and in containers with turbid water 3 containers (5.2%) positive *Aedes aegypti* larvae. In container with water source PDAM 18 container (14,8%) positive *Aedes aegypti* larvae and on container with well water source 7 container (10%) positive *Aedes aegypti* larvae.

Conclusion: There are significant relationships between the presence of *Aedes aegypti* larvae with the location of container ($p = 0,038$) and water cleanliness ($p = 0,034$). There are no significant relationships between the presence of *Aedes aegypti* larvae with container type ($p = 0,909$), base material of container ($p = 817$), cover of container ($p = 0,438$), cleanliness of container ($p = 1,000$), and water source in container ($p = 0.346$).

Keywords: *Aedes aegypti* larvae, breeding place, container characteristic