IDENTIFICATION OF *AEDES AEGYPTI* (L) AND *AEDES ALBOPICTUS* (SKUSE) BREEDING HABITATS IN DENGUE ENDEMIC SITES IN KUALA LUMPUR FEDERAL TERRITORY AND SELANGOR STATE, MALAYSIA

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Abstract. In 2015, fifteen surveillances for larvae of dengue vectors, *Aedes aegypti* (L.) and *Ae. albopictus* (Skuse), were conducted in localities, which had dengue outbreaks in 2014 and 2015. The surveillances covered both indoor and outdoor of premises and the surroundings of the locality. All artificial and natural containers holding stagnant water were inspected for the presence of immature larvae. House index (HI) in all 4 localities exceeded the threshold value to implementation of dengue vector control. Taman Sungai Jelok (TSJ), Selangor, had the highest HI, container index and the highest larval density per surveillance and per hectare. The larval productivity was higher in outdoor containers, irrespective of outdoor of premises or in the general surrounding of the localities. *Ae. aegypti* was found equally breeding in indoor and outdoor artificial containers. However, *Ae. albopictus* was the dominant breeder in the outdoor artificial containers, 2.34-fold higher than *Ae. aegypti*. There is an insignificant *Ae. albopictus* population in the indoors. Plastic containers, flower pots, vases and tires were key receptacles. A very significant finding was that both vectors were found in a concrete drain holding stagnated clear water in TSJ. As for natural containers, yam, bromeliad plants and a *Terminalia catappa* tree hole (containing both vectors) were key receptacles. These findings will be useful in promoting awareness in the Malaysian Ministry of Health vector control personnel and residents on dengue vectors breeding habitats and the need for their eradication.

Keywords: *Aedes aegypti*, *Aedes albopictus*, breeding sites, natural and artificial containers

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