

## Comparative Studies of the Efficacy of Two Strains of *Artemisia annua* (Kue Garden and China) with *Artemisia vulgaris* on *Aedes aegypti* (L) Mosquitoes

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### Abstract

*Artemisia* (*annua* and *vulgaris*) plant extract produced a strong repellent action on *Aedes aegypti* (L) (the vector of dengue haemorrhagic fever DHF) in Myanmar even at concentration as low as 0.5% and 1.0% . At a concentration of 2% no mosquito biting and the protection provided was 100% for all three tested repellent. Also, the larvicidal effect was comparatively found to be  $0.45 \pm 0.05\%$  (Kue garden):  $0.42 \pm 0.05\%$  (China) and  $0.39 \pm 0.05\%$  for *A. vulgaris* for  $LC_{50}$  and  $LC_{90}$   $0.91 \pm 0.02\%$  (China) and  $0.85 \pm 0.02\%$  for *A. vulgaris*. The residual effect of *Artemisia* under laboratory condition was found to be 2% and 4% persisted ca  $70 \pm 5$  hrs for Kue and China. However, *A. vulgaris* persisted  $76 \pm 5$  hrs. Hence, *A. vulgaris* is seemed to be more superior than *A. annua* (Kue Garden and China strained).