



ABSTRACT

The synergistic effect of Codiaeum variegatum (San Francisco) and Euphorbia milii (Crown of Thorns) crude leaf extracts in Periplaneta americana (American Cockroach) have been investigated to determine its potential as an alternative insecticide. Test species were treated through spraying with 3 mL of the different concentrations (T1=25%, T2=50% and T3=75%) of the combined crude leaf extracts of test plants that served as the experimental treatment and water based-commercial insecticide (T0) for the positive control. The mortality of test species is observed within 60 minutes and on its inability to move when gently poked with stick. The experiment was done in triplicates. In the four treatments applied, all test species died with 100% mortality rate. Based on the mortality time, T0 is more effective since it had the shortest span of time in terminating the test species with 19.56945 minutes followed by T3 with 30.60694167, T2 with 36.537525 and T1 with 44.940275 minutes respectively. These results suggest that the combined crude leaf extract of C. variegatum and E. milii is an effective alternative insecticide against P. americana.