In the study, life table of Orius minutus (L.) (Hemiptera: Anthocoridae) feeding on Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) was constructed at the laboratory conditions adjusted to 25±1 °C, 65±10 % relative humidity and 16 hours of artificial light. B. tabaci used as prey was reared on cotton plant at climatic chamber. As a result of the study, it was determined that total developmental period and mortality rate of O. minutus female and male were 19.80, 20.54 days and 23%, 24% respectively; longevity of O. minutus were 57.40 days for female and 29.98 days for male. Pre-oviposition, oviposition and postoviposition periods were 3.84, 34.20 and 19.00 days, respectively, daily egg numbers were 3.69 and total egg numbers were 180.97. Reproductive value reached the highest value at 5th days of oviposition period. Intrinsic rate of increase (rm) was 0.121 female/female/day, net reproductive rates (Ro) was 60.446 females/female, mean generation time (T0) was 33.892 days, gross reproductive rate (GRR) was 78.684, doubling time (T2) was 5.727 days and finite rate of increase (Λ) was 1.129. The most appropriate reproduction curve was calculated by Enkegaard equation and parameters were found as follows; a = 0.711±0.049; b = 0.091±0.004; R2 = 0.926. Weibull distribution was used to
determine the best curve showing survival rate for females and males of Orius minutus and parameters were found as follows; for females, \( b = 57.4 \pm 0.019, c = 2.26 \pm 0.007, R^2 = 0.818 \); for male, \( b = 31.67 \pm 0.014, c = 1.77 \pm 0.06, R^2 = 0.918 \).