ABSTRACT
Loss caused by diseases in farming is not just death, but also slow growth, decreasing egg production and even none egg production. Disease problem within improvement efforts in chicken production is a serious disturbance and threat. The handling of this should comprehensively programmed, perfect and directed, since disease handling program play a dominant role in all elements of five efforts (panca usaha) chicken farming, especially oriented toward improvement of livestock production (Murtidjo, 1992). Pineapple as traditional medicine ingredients has many advantages. Beside it’s inexpensive price and safe to consume, it is also adequate to fulfill requirements as commercial enzyme source (Mulyoharjo, 1984). Bromelin enzyme has proteolysis trait that could break complex protein molecule into simpler compound which is peptide bond and amino acid (Anam et al., 2003).
This experiment has objective to found out whether there is effect on Queen Variety young pineapple (Ananas comosus L. merr) extract and to found out the concentration of young pineapple extract having most effect toward parasite worm mortality (Ascaridia galli) in chicken (Gallus sp) in vivo. Type of experiment is real experiment using Complete Random Design (Rancangan Acak Lengkap—RAL) consist of 6 treatment (concentration pineapple extract 50%, 60%, 70%, 80%, 90%, control) with 4 times repetition and sample population amount consist of 24 chicken (Gallus sp).
Results showed from this experiment and Duncan Test reveal that treatment using young pineapple extract 90% has highest effect on mortality of parasite worm in chicken with average values of worm mortality reaching 53,04%.