ABSTRACT

The purpose of this research were to investigate the influence of Spiramycin and Azithromycin to the Differential count of mice (*Mus musculus*) infected by *Toxoplasma gondii*. This research used 24 female 3 month old in average. These were divided into 4 groups of treatment. Those were, PO = negative control (uninfected mice), P1 = positive control (infected mice), P2 = infected mice with Spiramycin treatment, P3 = infected mice with Azithromycin. The result of this research was mice with infected *T. gondii* could increased leukocyte and have significant different with group of PO, P1, P2, P3 (P<0.05). Treatment of Spiramycin and Azithromycin into mice infected of *T. gondii* could decrease the group of P3 and didn’t have significant different with group of P2 and PO (P<0.05), but P3 have significant different with P1(P<0.05) from this research, we can suggest Spiramycin and Azithromycin for treatment Toxoplasmosis.

Key word : *T. gondii*, tachyzoit, Spiramycin. Azitromycine