

ABSTRACT

EFFECT OF THE USE OF BUSEIN-A ENCAPSULATED LIPOSOME DOSAGE AGAINST HISTOPATOLOGI OF KIDNEY AND LIVER IN MEDIUM ROOSTER

By

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Leucocytozoonosis drug making by using brusein-A as an active substance which is encapsulated liposome is regard as a new method. Brusein-A which is encapsulated liposome could increase stability and activity of brusein-A compound. This research aimed to determine the effect of liposome-encapsulated brusein-A exposure dosage against histopathology of medium-typed rooster's kidney and liver. In this research, there were seven group treatments; they were brusein-A which was encapsulated by liposome in dosage: 0 mg/kg body weight (A1); 2,5 mg/kg body weight (A2); 5,0 mg/kg body weight (A3); 7,5 mg/kg body weight (A4); 10,0 mg/kg body weight (A5); 12,5 mg/kg body weight (A6); and 15,0 mg/kg body weight (A7). Brusein-A, which is encapsulated by liposome, was given to a medium-typed rooster once a day in seven days. The preparation of kidney and liver was done on the eighth day continued by the making of blood smear histopathology. The result showed that the dosage of brusein-A encapsulated liposome in less than or equals to 7,5 mg/kg body weight once a day for seven days did not lead to bad damage in medium-typed rooster's liver and kidney.