

**ISOLATION AND ANTIGENICITY OF PROTEIN FRACTION
WITH MOLECUL WEIGHING 205,8 kDa OF
SARCOPTES SCABIEI VAR. *CAPRAE***

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ABSTRACT

The purpose of this research is to study the antigenicity of protein fraction with molecule weigh 205,8 kDa of *Sarcoptes scabiei* var. *caprae*. This attempt represent continuation of antigenic protein characteristic of *Sarcoptes scabiei* var. *caprae*. This research used two local female rabbits which are 5 months old. During the attempt, the rabbit was immunized early by injection 100 μ g/ml of protein with addition of *Complete Freund's Adjuvant* in the same number. Injection by subcutan at body location having diffuse husk. The injection was repeated with the same protein and addition of adjuvant *Incomplete* in the same number which was done two weeks after the first injection. The *booster* used the same protein with *Incomplete Freund's Adjuvant* about once every 7 days so that be obtained a high titer antibody. Before the first injection, the serum taken as negative control in the ELISA test. The serum were taken before *booster* injection to see the antibody respon on every injection with the same test. The result of this research can be taken the conclusion that the increase of rabbit antibody titer which was immunized by antigenic protein of *Sarcoptes scabiei* var. *caprae* with molecule weigh 205.8 kDa did not showed the protective respon through at fifth (5th) *booster* and showed are increasing of immune response. The highest body titer showed by rabbit of fifth *booster* thinning 1:20, though does not reach two OD.

Key words: *Sarcoptes scabiei*, antigenic protein, *booster*, antibody