

IDENTIFICATION OF *SARCOPTES SCABIEI* MITES ON RABBIT MORPHOLOGY AND PROTEIN PROFILE WITH SDS-PAGE

H O S I N

ABSTRACT

The aims of this research were to identify morphology and protein profile of *Sarcoptes scabiei* adult mites which was isolated from rabbit. The mite was isolated by skin scraping from rabbit that showed clinical sign such as scratching, itching, inflammatain of the skin accompanied by an exudates which coagulates and from cructs on the surface. The mite were identified based on morphology and protein profile by SDS-PAGE electrophoresis.

The characterization by SDS-PAGE showed that *Sarcoptes scabiei* var. *cuniculi* have nine bands were 75,3 kDa, 61,9 kDa, 50,9 kDa, 44 kDa, 41,5 kDa, a39,4 kDa, 37,4 kDa, 35,1 kDa and 24,9 kDa with five the dominant bands such as 75,3 kDa, 61,9 kDa, 50,9 kDa, 44 kDa and 24,9 kDa.

Key words : Rabbit, *Sarcoptes scabiei*, protein bands, SDS-PAGE electrophoresis.