

IDENTIFICATION OF EXCRETION – SECRETION PROTEIN PROFILE OF THE ADULT *Haemonchus contortus* WITH SDS-PAGE

Artha Rini Pasila

ABSTRACT

The aim of this research is to identify excretion – secretion protein (ESP) profile of *Haemonchus contortus* which presented in mollecular weight.

One hundred female *Haemonchus contortus* were isolated from sheeps and goats' abomasum from Surabaya Slaughter House, worms were washed by *Phospat Buffer Saline* (PBS) then incubated in PBS with pH 7,0 and temperature 37°C for a night. Excretion – secretion liquid that worms produced in PBS isolated with saturated ammonium, then SDS-PAGE (*Sodium Dodecyl Sulphate-Polyacrylamid Gel Electrophorese*) method used to identified excretion – secretion protein profile.

Result of this research got 5 excretion – secretion protein profile : 42,3 kilo Dalton (kDa); 39,3 kDa; 28,9 kDa; 24,4 kDa and 13,9 kDa.

Key words : *Haemonchus contortus*, ESP, SDS-PAGE