DETERMINATION OF PROTEIN FRACTIONS GASTROINTESTINAL

_Tabanus megalops_

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ABSTRACT

This research has been conducted to determine _T. megalops_ gastrointestinal protein fraction using SDS PAGE method which is the standard test for protein molecular weight. Fifty five flies were collected by using insect nets and then the section of the gastrointestinal tract performed in pH 7.0 buffer solution. The gastrointestinal tract _T. megalops_ put in the destruction tube and put in the refrigerator until fractionation process. The sample was sonicated in 30 hertz. Centrifuged to separate the soluble protein in the supernatant part. The supernatant proceeded by SDS PAGE. Marker protein used to determine protein of tract _T. megalops_ by using equation based. The results of this study it can be concluded that there are two of protein fractions digestive tract _T. megalops_, can be identified such as BM 52,94 kDa and BM 30 kDa.

Key word: Gastrointestinal _Tabanus megalops_, protein fractions.