

PENGARUH EKSTRAK AKAR GINSENG JAWA DALAM BERBAGAI KADAR TERHADAP SINTESIS PROTEIN SERUM TIKUS

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ABSTRACT

*The aim of this research was identifying the stimulation of serum proteins synthesis following the treatment of Java ginseng (*Talinum paniculatum Gaertn.*) root extract in varying concentration.*

This research used 12 male rats of 8-9 weeks, divided into 4 groups. First group as control , second group to five group were administered with Java ginseng root extract equal with 3,5, 10,5, and 21 mg dry roots/ 100 g bw/ day per oral for 14 days. Blood serum was collected for electrophoresized at the end of treatment. Electrophoresis was conducted with 7% SDS-PAGE method. Gel stained in 0,25% Coomassie Brilliant Blue and it followed densitometry on bands in gel to comparing those quantitatively.

The result show the effect on the level of serum protein whose MW 29. Highest stimulation of protein synthesis (2.2 times than control) have been reached at treatment with extract that equal with 3,5 mg dry roots/100 g bw/ day. Increasing Java ginseng root extract wasn't followed by increasing of stimulation protein synthesis level.

Keywords : *Talinum paniculatum Gaertn - protein synthesis - serum protein*