EFFECT OF STIMULATION ON GROWTH POINT USING SEMICONDUCTOR LASERPUNCTURE AGAINST BLOOD CHOLESTEROL LEVELS IN MALE BALI CATTLE (*Bos sondaicus*)

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ABSTRACT

The purpose of this research is to determine the effect of stimulation on growth point using semiconductor laserpuncture against blood cholesterol levels in male bali cattle. This research used 18 samples with complete random design research method. Eighteen male bali cattles aged 2.5 - 3 year were divided to 3 groups. Group 1 was untreated (P0), group 2 was treated by laserpuncture with power supply 100 mWatt and the dose was 0.2 Joule (P1), and goup 3 was treated by laserpuncture with power supply 100 mWatt and the dose was 0.5 joule (P2), each group consisted of 6 Bali cattle. Growth point acupuncture which was used on fired were fei shu (BL-13), xin shu (BL-15) and wei shu (BL-21) in sinister et dexter of body for six times with interval every six days. This research was done in Juni until September 2018 in Cendono Village, Pasuruan. The results of the study in the form of blood samples and checked the total blood cholesterol. Data were analyzed using ANOVA test followed by Duncan. The results showed that the stimulation on growth point using semiconductor laserpuncture has effect for lower blood cholesterol levels of male bali cattle.

Key words : Laserpuncture, male bali cattle, blood cholesterol