

ABSTRACT

WATERING FREQUENCY USING SPRINKLER ON PHYSIOLOGICAL RESPONSE AND PRODUCTION OF SIMMENTAL GRADE CATTLE

By

Citra Nindya Kesuma

The objective was to measure effects of watering frequency using sprinkler on physiological response and production of Simmental grade cattle. The experiment was conducted for 45 days starting on December 2014 to January 2015 in Gunung Madu Plantation Cooperative farm, Gunung Batin sub district Central Lampung regency. Ration analysis was in Laboratory Animal Nutrition and Feed, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung.

The experimental method used was completely randomized design (CRD) with consisting of no treatment (P0), the frequency of watering 1 time (P1), and the frequency of watering 2 times (P2). The results showed that the frequency of watering treatment significantly ($P < 0.01$) of body temperature and respiratory rate and significant ($P < 0.05$) of heart rate Simmental cattle grade, but non significant effect ($P > 0.05$) on feed consumption and average daily gain Simmental Cattle Grade.

Keywords : Sprinkler, Physiological response, Production