

INTISARI

KADAR KOLESTEROL DARAH ITIK TURI (*Anas platyrincos*) YANG DIBERI SERBUK TEMU HITAM (*Curcuma aeruginosa* Roxb.)

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian serbuk Temu Hitam terhadap kadar kolesterol darah pada itik Turi jantan. Sebanyak 6 ekor itik jantan dibagi dalam 2 kelompok masing-masing 3 ekor. Itik pada kelompok A tidak diberi serbuk temu hitam dan itik pada kelompok B diberi serbuk temu hitam sebanyak 2% selama 35 hari. Pengambilan sampel darah itik dilakukan melalui vena brachialis pada pagi hari sebelum diberi pakan di awal dan akhir penelitian. Serum dipisahkan secara sentrifugasi selama 10 menit dengan kecepatan 3000 rpm. Analisis kadar kolesterol serum dilakukan menggunakan metode spektrofotometrik. Data kadar kolesterol serum yang diperoleh dianalisis dengan metode *Analisis of Variansi* (ANOVA). Hasil penelitian menunjukkan rata-rata kadar kolesterol serum pada itik kontrol di awal dan akhir penelitian sebesar $164,3 \pm 5,5$ mg/dl dan $153,3 \pm 12,2$ mg/dl, sedangkan pada itik perlakuan sebesar $164 \pm 12,2$ mg/dl dan $156,3 \pm 6$ mg/dl. Tidak ada pengaruh umur dan perlakuan temu hitam yang nyata terhadap kadar kolesterol darah ($P > 0,05$). Berdasarkan hasil tersebut dapat disimpulkan bahwa pemberian temu hitam sebanyak 2% pada pakan tidak berpengaruh terhadap kadar kolesterol serum.

Kata kunci: itik Turi, temu hitam, kolesterol

CHOLESTEROL LEVEL IN BLOOD SERUM OF TURI DUCK (*Anas platyrincos*) SUPPLEMENTED WITH TEMU HITAM POWDER (*Curcuma aeruginosa* Roxb.) FOR 35 DAYS

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ABSTRACT

This study was aimed to determine the effect of *Curcuma aeruginosa* Roxb powder on blood cholesterol level in male Turi ducks. A total of 6 ducks were used in this study. The animals were divided this animal divided into 2 groups each 3 animals. Animals in group A were fed basal diet as a control and animals in group B were given basal diet supplemented with *Curcuma aeruginosa* Roxb powder at the level of 2 % for 35 days. Blood sampels were collected at the day 0 and 35 through the brachial vein in the morning before being fed. Serum cholesterol was analyzed spectrophotometrically. Blood cholesterol levels data were analyzed by the analysis of variance method (ANOVA). The results showed that the average level of blood cholesterol, in group A and group B at the beginning was 164.3 ± 5.5 mg/dl and 164 ± 12.2 mg/dl, respectively. At the end of the study, the cholesterol level in group A and B reduced slightly to the level of 153.3 ± 12.2 mg/dl and 156.3 ± 6 mg/dl respectively ($P > 0.05$). There was no significant influence temu hitam supplementatid on the serum level of cholesterol ($P > 0.05$). Based on these results, it can be concluded that supplementation of *Curcuma aeruginosa* Roxb in the feed at the level of 2% does not have a significant effect on blood cholesterol level in ducks.

Keyword: *Curcuma aeruginosa* Roxb, Turi Duck, cholesterol