

PENGARUH PEMBERIAN TEPUNG DAUN SIRIH (*PIPER BETEL* LINN.) SEBAGAI IMBUHAN PAKAN TERHADAP KOLESTEROL DAGING AYAM BROILER

(*The Effects Of Betel Leave Meal (Piper betel Linn.) as Feed Additives For Broiler Meat Cholesterol*)

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ABSTRAK

Penelitian ini bertujuan mengevaluasi penambahan tepung daun sirih (*piper betel* Linn.) terhadap kadar kolesterol daging ayam broiler yang dipelihara sampai umur 42 hari. Materi yang digunakan adalah ayam broiler umur 1 hari (DOC) sebanyak 68 ekor. Percobaan dilakukan menggunakan metode eksperimental dengan Rancangan Acak Lengkap (RAL). Perlakuan terdiri dari 5 macam ransum yaitu P0 (Ransum Basal), P1 (Ransum Basal + 0,1% tepung daun sirih), P2 (Ransum Basal + 0,5% tepung daun sirih), P3 (Ransum Basal + 0,7% tepung daun sirih) dan P4 (Ransum basal + 1% tepung daun sirih). Peubah yang diamati adalah kadar kolesterol daging dada.

Hasil analisis sidik ragam menunjukkan bahwa penambahan tepung daun sirih berpengaruh nyata ($P > 0,05$) terhadap penurunan kadar kolesterol daging. Rataan kolesterol daging P0 = 31 mg/dl, P1 = 25 mg/dl, P2 = 45 mg/dl, P3 = 14 mg/dl, and P4 = 21 mg/dl. Kesimpulan bahwa pakan dengan tambahan tepung daun sirih (*Piper betel* Linn.) sampai level 1% mampu menurunkan kolesterol daging ayam broiler dan kadar kolesterol paling rendah diperoleh pada pemberian tepung daun sirih level 0,7% dengan kadar kolesterol 14 mg/dl.

Kata Kunci : Ayam Broiler, Tepung daun sirih (*Piper betel* Linn.), dan kolesterol daging dada.

ABSTRACT

This research aims to evaluate the addition of betel leaves meal (Piper betel Linn) in rations have on meat cholesterol broiler chicken that which is preserved until age of 42 days. The used materials were 1-day-old broiler chickens (DOC) as many as 68 birds. The experiment was performed using eksferimental method with completely randomized design (CRD). The treatments consiststed of 5 kinds of rations, each. P0 (Basal feed), P1 (Basal feed + 0,1% betel), P2 (Basal feed + 0.5% betel), P3 (Bsal feed + 0.7% betel), and P4 (basal feed + 1% betel). The variables measured were the cholesterol level of thorax meat.

The results of analysis of variance showed that The addition of betel leaves cholesterol meal did significantly ($P > 0.05$) affected the cholesterol-lowering effect of meat. The mean cholesterol levels of meat P0 = 31 mg/dl, P1 = 25 mg/dl, P2 = 45 mg/dl, P3 = 14 mg/dl, and P4 = 21 mg/dl. The conclusion that the feed with additional of betel leaves meal (Piper betel Linn.) flour to level of 1% able to lower meat cholesterol and most low cholesterol levels obtained in the provision of betel leaf meal 0.7% level with levels of cholesterol 14 mg/dl.

Keywords : Broiler, Betel leave meal, and cholesterol level of thorax meat