

ABSTRACT

LAILATUL KHAIRA A.1610557. Effects of the Length of the Inclusion of Garcinia (*Garcinia antroviridis*) Leaf Meal in Commercial Rations on Carcass Composition of Culled Ducks. Under immediate supervision of Elis Dihansih and Dewi Wahyuni.

The main problem found in meat of culled ducks is its fishy smell and low tenderness. The fishy smell originates from high content of subcutaneous fat in culled ducks. Using feed additives in ration is a way to reduce this subcutaneous fat, eliminate fishy smell, and improve composition of meat of culled ducks. Leaves of garcinia contain hydroxycitric acid (HCA) which can inhibit the formation of fatty acids and cholesterol to improve carcass composition. This study was aimed at assessing the effects of the length of the inclusion of garcinia leaf meal in commercial rations on carcass composition of culled ducks. The study was conducted in July to August 2019 at the poultry farm of Department of Animal Science, Djuanda University, Bogor. Sixteen culled female ducks were used in a completely randomized design with 4 treatments and 4 replicates. Treatments consisted of the inclusion of 0% garcinia leaf meal in rations (R0) and 6% garcinia leaf meal in rations which were fed to the birds within 1 week (R1), 3 weeks (R2), and 5 weeks (R3). Water was provided *ad libitum*. Data were subjected to an analysis of variance and a Duncan test. Results showed that the inclusion of 6% garcinia leaf meal in rations which were fed to the birds within 1 week gave significant effect ($P < 0.05$) on the percentages of breast meat, breast fat, breast bones, thigh, the ratio of breast meat and breast bones, the ratio of thigh meat and thigh bones, and the ratio of breast meat and breast fat. It was concluded that the inclusion of 6% garcinia leaf meal in rations which were fed to the birds within 1 week improved carcass composition (minimal bones, maximal meat, and optimal fat and skin contents) of meat of culled female ducks.

Key words: carcass composition, garcinia leaf, length of inclusion, hydroxycitric acid, culled duck.

ABSTRAK

LAILATUL KHAIRA A.1610557. Lama Pemberian Tepung Daun Asam Gelugur (*Garcinia Antroviridis*) Dalam Ransum Komersil Terhadap Komposisi Karkas Itik Afkir. Dibawah bimbingan Elis Dihansih dan Dewi Wahyuni.

Masalah utama pada itik afkir adalah aroma amis dan mempunyai daging yang alot. Bau amis pada itik afkir berasal dari lemak subkutan yang cukup tinggi. Salah satu cara dengan memberikan *feed aditif* alami yang dapat menurunkan kandungan lemak sehingga bau amis dan komposisi itik dapat diperbaiki. Daun asam gelugur mempunyai kandungan asam hidrositrat (HCA) yang bisa menghambat pembentukan asam lemak dan kolesterol sehingga bisa memperbaiki komposisi karkas itik afkir. Penelitian ini bertujuan untuk mengkaji lama pemberian tepung daun asam gelugur dalam ransum komersil terhadap komposisi karkas itik afkir. Penelitian dilaksanakan bulan Juli-Agustus 2019 di kandang unggas Program Studi Peternakan Fakultas Pertanian Universitas Djuanda Bogor. Penelitian ini menggunakan 16 ekor itik betina afkir, pakan komersil G1-1 dan tepung daun asam gelugur penelitian ini menggunakan rancangan acak lengkap (RAL) dengan 4 perlakuan 4 ulangan. Data dianalisis ANOVA dan uji lanjut Duncan. Penelitian ini menggunakan tepung daun asam gelugur 6% dalam jangka waktu sesuai perlakuan. Perlakuan penelitian R0: Pakan komersil 100%, R1: lama pemberian 1 minggu, R2: lama pemberian 3 minggu, R3: lama pemberian 5 minggu. Air minum diberikan secara *ad libitum*. Hasil penelitian menunjukkan bahwa lama pemberian tepung daun asam gelugur 6% selama 1 minggu berpengaruh nyata ($P < 0,05$) terhadap persentase daging dada, lemak dada, tulang dada, persentase paha, imbalanced daging dan tulang dada, imbalanced daging dan tulang paha, serta imbalanced daging dan lemak dada. Kesimpulan penelitian ini adalah pemberian tepung daun asam gelugur 6% selama 1 minggu mampu memperbaiki komposisi karkas itik betina afkir dengan tulang yang minimal, daging maksimal dan lemak beserta kulit yang optimal.

Kata kunci: komposisi karkas, daun asam gelugur, lama pemberian, asam hidrositrat, itik afkir