

**EFEK PENAMBAHAN EKSTRAK DAUN SERAI (*Cymbopogon citratus*)
DALAM AIR MINUM SEBAGAI FITOBIOTIK TERHADAP
PRODUKSI KARKAS DAN LEMAK ABDOMINAL
AYAM BROILER**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan fitobiotik ekstrak daun serai (*Cymbopogon citratus*) dalam air minum terhadap produksi karkas dan lemak abdominal ayam broiler. Materi yang digunakan dalam penelitian ini adalah ekstrak daun serai dan 180 ekor ayam broiler jantan strain New Lohmann (MB 202 Platinum) yang ditempatkan di kandang *open house* yang dibagi dalam 20 petak kandang. Penelitian ini menggunakan Rancangan Acak Lengkap yang terdiri dari 5 perlakuan dan 4 ulangan, dan pada setiap ulangan terdiri dari 9 ekor ayam. Perlakuan yang diberikan adalah: P1 = air minum tanpa aditif pakan (kontrol negatif); P2 = air minum + antibiotik Tetrasiklin 25 mg/l (kontrol positif); P3 = air minum + 25 µl/l ekstrak daun serai; P4 = air minum + 50 µl/l ekstrak daun serai; dan P5 = air minum + 100 µl/l ekstrak daun serai. Parameter yang diamati pada penelitian ini adalah bobot potong, bobot karkas, persentase karkas, bobot lemak abdominal dan persentase lemak abdominal. Data hasil penelitian dianalisis secara statistik menggunakan Rancangan Acak Lengkap pola satu arah. Hasil penelitian menunjukkan bahwa penambahan ekstrak daun serai hingga level 100 µl/l dalam air minum tidak mempengaruhi bobot potong, bobot karkas, persentase karkas, bobot lemak abdominal dan persentase lemak abdominal ayam broiler.

(Kata kunci: Ayam broiler, Ekstrak daun serai, Lemak abdominal, Produksi karkas).

**EFFECT OF ADDITION OF LEMON GRASS LEAF EXTRACT
(*Cymbopogon citratus*) IN DRINKING WATER AS A
PHYTOBYOTIC ON CARCASS PRODUCTION
AND ABDOMINAL FAT OF
BROILER CHICKEN**

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ABSTRACT

This study was aimed to determine the effect of phytobiotic addition of lemon grass extract (*Cymbopogon citratus*) in drinking water on carcass and abdominal fat production of broiler chickens. The materials used in this study were lemon grass extract and 180 male broilers of New Lohmann strain (MB 202 Platinum) placed in an open house cage which was divided into 20 cages. This study used a Completely Randomized Design consisting of 5 treatments and 4 replications, and at each repetition consisted of 9 chickens. The given treatments are: P1 = drinking water without feed additives (negative control); P2 = drinking water + Tetracycline 25 mg/l (positive control); P3 = drinking water + 25 µl/l lemon grass extract; P4 = drinking water + 50 µl/l lemongrass extract; and P5 = drinking water + 100 µl/l lemon grass extract. The parameters observed in this study were cutting weight, carcass weight, carcass percentage, abdominal fat weight and percentage of abdominal fat. The research data were analyzed statistically using a One-way Complete Randomized Design. The results showed that the addition of lemongrass extract up to the level of 100 µl/l in drinking water did not affect the cutting weight, carcass weight, carcass percentage, abdominal fat weight and abdominal fat percentage of broiler chickens.

(Keywords: Broiler chicken, Lemon grass extract, Abdominal fat, Carcass production).