

**PENGARUH PENGGUNAAN EKSTRAK KULIT MANGGIS
(*Gacinia mangostana* Linn) DAN DAUN SIRSAK (*Annona
muricata* Linn) DI AIR MINUM TERHADAP PERFORMA
BROILER**

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RINGKASAN

Penelitian bertujuan untuk menganalisis pengaruh penggunaan ekstrak kulit manggis (*Gacinia mangostana* Linn) dan daun sirsak (*Annona muricata* Linn) di air minum terhadap performa broiler. Penelitian ini telah dilaksanakan pada bulan 28 Juli 2022 – 28 Agustus 2022 di kandang peternakan Politeknik Negeri Lampung. Penelitian ini menggunakan metode Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dan 5 ulangan, setiap ulangan terdiri dari 5 ekor broiler. Perlakuan yang diberikan adalah P0 = Control tanpa perlakuan; P1 = 0,1% ekstrak kulit manggis/L + 0,1% ekstrak daun sirsak/L; P2 = 0,2% ekstrak kulit manggis/L + 0,2% ekstrak daun sirsak/L; P3 = 0,3% ekstrak kulit manggis/L + 0,3% ekstrak daun sirsak/L Variabel yang diamati adalah konsumsi pakan, penambahan bobot badan, konversi pakan, indeks performa. Hasil analisis ragam penambahan ekstrak kulit manggis dan daun sirsak berpengaruh nyata ($P < 0,05$) terhadap penambahan bobot badan dan konversi ransum serta meningkatkan indeks performa broiler. Hasil penelitian dapat disimpulkan bahwa pemberian ekstrak kulit manggis pada taraf 0,1%/L dan ekstrak daun sirsak taraf 0,1%/L mampu meningkatkan performa broiler dengan konsumsi pakan sebesar 1894,60 g/ekor, penambahan bobot badan 1402,80 g/ekor, konversi ransum 1,35 dan indeks performa 382,34.

Kata Kunci : Broiler, Daun sirsak, Kulit manggis

EFFECT OF THE USE OF MANGOSTEEN PEEL EXTRACT (*Gacinia mangostana* Linn) AND SOURSOP LEAF EXTRACT (*Annona muricata* Linn) IN DRINKING WATER BROILER PERFORMANCE

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ABSTRACT

The research aims to analyze the effect of using mangosteen peel extract (*Gacinia mangostana* Linn) and soursop leaves (*Annona muricata* Linn) in drinking water on broiler performance. This research was carried out on 28 July 2022 – 28 August 2022 at the Lampung State Polytechnic livestock pen. This study used the Complete Randomized Design (CRD) method consisting of 4 treatments and 5 repeats, each test consisting of 5 broilers. P0 = Control without treatment; P1 = 0,1% mangosteen peel extract/L + 0,1% soursop leaf extract/L; P2 = 0,2% mangosteen peel extract/L + 0,2% soursop leaf extract/L; P3 = 0,3% mangosteen peel extract/L + 0,3% soursop leaf extract/L The variables observed were feed consumption, weight gain, feed conversion, performance index. The results of the analysis of various extracts of mangosteen peel and soursop leaves had a significant effect ($P < 0,05$) on weight gain and ration conversion and increased broiler performance index. The results of the study can be concluded that the provision of mangosteen peel extract at the level of 0,1% / L and soursop leaf extract at the level of 0,1% / L was able to improve broiler performance with feed consumption of 1894.60 g / head, weight gain of 1402,80 g / head, ration conversion of 1,35 and performance index of 382,34.

Keywords : Broiler, Mangosteen peel, Soursop leaf