

ANALISIS EKONOMI PEMBERIAN EKSTRAK KULIT MANGGIS (*Garcinia Mangostana L*) DAN DAUN SIRSAK (*Annona Muricata L*) DALAM AIR MINUM BROILER

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Ringkasan

Penelitian bertujuan untuk menganalisis ekonomi penggunaan ekstrak kulit manggis dan daun sirsak dalam air minum broiler. Penelitian ini dilaksanakan pada bulan Juli — Agustus 2022. Pembuatan ekstrak kulit manggis dan daun sirsak dilaksanakan di Laboratorium Nutrisi Ternak dan Laboratorium Analisis Politeknik Negeri Lampung. Penelitian ini sudah dilaksanakan di kandang broiler Jurusan Peternakan Politeknik Negeri Lampung. Penelitian ini menggunakan 4 perlakuan, P0 kelompok broiler tanpa pemberian perlakuan, P1 pemberian ekstrak kulit manggis dan daun sirsak dalam air minum sebanyak 0,1%, P2 pemberian ekstrak kulit manggis dan daun sirsak dalam air minum sebanyak 0,2%, P3 pemberian ekstrak kulit manggis dan daun sirsak dalam air minum sebanyak 0,3%. Data yang diambil dari penelitian ini adalah BEP produk, BEP harga, IOFC (*income over feed cost*), R/C (*revenue cost ratio*), B/C (*benefit cost ratio*). Berdasarkan hasil dan pembahasan dapat disimpulkan bahwa pemberian ekstrak kulit manggis dan daun sirsak dalam air minum dapat memperkecil biaya produksi dan memiliki nilai ekonomi pada usaha broiler.

Kata Kunci: Analisis Ekonomi, Broiler, Daun Sirsak, Kulit Manggis

ECONOMIC ANALYSIS OF ADMINISTRATION OF MANGOIS PEAK (*Garcinia Mangostana L*) AND SOURSOP LEAVES (*Annona Muricata L*) EXTRACT IN BROILER DRINKING WATER

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Abstrak

The research aims to analyze the economics of used mangosteen peel and soursop leaf extracts in broiler drinking water. This research was carried out in July - August 2022. The manufacture of mangosteen peel and soursop leaf extracts was carried out at the Animal Nutrition Laboratory and the Lampung State Polytechnic Analysis Laboratory. This research was carried out in the broiler cage of the Lampung State Polytechnic Animal Husbandry Department. This study used 4 treatments, P0 was the broiler group without any treatment, P1 was given 0.1% mangosteen peel and soursop leaf extract in drinking water, P2 was given 0.2% mangosteen peel and soursop leaf extract in drinking water, P3 was given extract. mangosteen peel and soursop leaf in drinking water as much as 0.3%. The data taken from this research are product BEP (*break even point*), price BEP (*break even point*), IOFC (*income over feed cost*), R/C (*revenue cost ratio*), B/C (*benefit cost ratio*). Based on the results and discussion, it can be concluded that administering mangosteen peel and soursop leaf extract in drinking water can reduce production costs and has economic value in the broiler business.

Keywords: Broiler, Economic Analysis, Mangosteen peel, Soursop leaves