ANALISIS EKONOMI PEMBERIAN TEPUNG KULIT BUAH NAGA MERAH (*Hylocereus polyrhizus*) DALAM RANSUM PADA PEMELIHARAAN BROILER

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RINGKASAN

Kulit buah naga merah (*Hylocereus Polyrhizus)* mengandung nutrisi diantaranya protein, lemak, serat kasar, dan vitamin. Selain itu, juga mengandung zat metabolit sekunder seperti betakaroten yang berpengaruh baik terhadap kesehatan dan produktivitas brolier. Produktitivitas broiler yang optimal dapat dicapai dengan penambahan kulit buah naga merah dalam pakan broiler dan juga diharapkan akan menurunkan biaya produksi. Penelitian ini dilaksanakan di kandang ayam Jurusan Peternakan Politeknik Negeri Lampung. Penelitian bertujuan untuk menganalisis nilai ekonomi tepung kulit buah naga merah sebagai bahan pakan ransum broiler. Penelitian ini dilakukan selama 30 hari secara eksperimen dengan menempatkan DOC secara acak dalam sekat pemeliharaan berukuran 100 x 100 x 70 cm^3. Perlakuan tepung kulit buah naga merah *Hylocereus polyrhizus* (TKBN) terdiri atas 3 bagian berupa 3 perlakuan yang berbeda yaitu 0%, 3%, 6%. Variabel yang diamati adalah biaya produksi, penerimaan, pendapatan, BEP, *Income Over Feed Cost* (IOFC), R/C Ratio, dan B/C ratio. Data yang terkumpul di analisis secara deskriptif kuantitatif menggunakan *Microsoft Exel* 2019. Hasil analisis menunjukan bahwa penggunaan tepung kulit buah naga merah (*Hylocereus polyrhizus*) sebanyak 6% dalam ransum broiler memiliki nilai ekonomi terbaik dengan hasil analisis yaitu total biaya Rp704.936,92; total penerimaan Rp1.040.750,00; total keuntungan Rp335.813,08; BEP harga Rp17.181,01; BEP produk sebesar 28,20 kg; IOFC sebesar Rp631.281,41; nilai R/C ratio 1,48; dan nilai B/C ratio 0,48.

Kata kunci: analisis ekonomi, broiler, naga merah (*Hylocereus polyrhizus)*.

ECONOMIC ANALYSIS OF ADDITION RED DRAGON FRUIT PEEL FLOUR (Hylocereus polyrhizus) IN BROILER FEED

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ABSTRACT

Fruit peel of the red dragon fruit (*Hylocereus polyrhizus*) contains nutrients including protein, fat, crude fiber, and vitamins. In addition, it also contains secondary metabolite substances such as betacarotene which has a good effect on broiler health and productivity. Optimal broiler productivity of broilers can be achieved by adding red dragon fruit peel in broiler feed and is also expected to reduce production costs. This research was carried out in the chicken cage of Lampung State Polytechnic Animal Husbandry Departement. This study aims to analyze the economic value of red dragon fruit peel flour as a feed ingredient for broiler rations. This research was conducted experimentally for 30 days by placing DOC randomly in a 100 x 100 x 70 cm^3 The application of red dragon fruit peel flour *Hylocereus polyrhizus* (TKBN) consisted of 3 parts in the form of 3 different applications: 0%, 3%, 6%. The variables observed were production cost, revenue, income, BEP, Income Over Feed Cost (IOFC), R/C Ratio, and B/C ratio. The data was analyted using analysis descriptive quantitative methode by Microsoft Exel 2019. The results showed that the use of red dragon fruit peel flour (*Hylocereus polyrhizus*) as much as 6% in broiler rations had the best economic value with the results of the analysis, total cost Rp704,936.92; total revenue Rp1,040,750.00; total profit Rp335,813.08; BEP price Rp17,181.01; BEP product of 28.20 kg; IOFC of Rp.631,281.41; R/C ratio value of 1.48; and B/C ratio value of 0.48.

Keywords : broiler, economic analysis, red dragon (Hylocereus polyrhizus).