

**FARADILA SAMAD. 04141911006. PENGARUH PEMBERIAN DEDAK FERMENTASI DALAM RANSUM DAN TEPUNG DAUN BIDARA (*Ziziphus mauritiana* Lamk) TERHADAP BOBOT KARKAS, LEMAK ABDOMINAL DAN *INCOME OVER FEED AND CHICK COST* PADA AYAM BROILER**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian dedak fermentasi dalam ransum dan tepung daun bidara (*Ziziphus mauritiana* Lamk) terhadap bobot karkas, lemak abdominal dan *income over feed and chick cost* broiler. Penelitian ini dilaksanakan di kandang percobaan Program Studi Peternakan Fakultas Pertanian Universitas Khairun yang terletak di Kelurahan Fitu, Kota Ternate Selatan pada bulan September sampai Oktober 2023. Jumlah ayam broiler yang diteliti sebanyak 80 ekor. Penelitian ini dilakukan secara eksperimental menggunakan Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dan masing-masing perlakuan diulang 4 kali sehingga didapatkan 16 unit perlakuan yaitu: R0 = (100% pakan basal), R1 = (15% dedak fermentasi + 2% tepung daun bidara + 83% pakan basal), R2 = ( 30% dedak fermentasi + 2% tepung daun bidara + 68% pakan basal), R3 = (45% dedak fermentasi + 2% tepung daun bidara + 53% pakan basal). Hasil penelitian menunjukkan bahwa, rata-rata bobot karkas ayam broiler dengan penambahan dedak fermentasi dalam ransum dan tepung daun bidara (*Ziziphus mauritiana* Lamk) yaitu, R0 (1254,65), R1 (1251,27), R2 (1166,61), R3 (1088,94). Hasil uji sidik ragam menunjukkan perbedaan yang nyata ( $P < 0,05$ ). Rataan persentase lemak abdominal ayam broiler dengan penambahan dedak fermentasi dalam ransum dan tepung daun bidara (*Ziziphus mauritiana* Lamk) yaitu, R0 (1,90), R1 (1,88), R2 (1,87), R3 (1,87). Hasil uji sidik ragam menunjukkan perbedaan yang nyata ( $P < 0,05$ ). Rataan *income over feed and chick cost* broiler dengan penambahan dedak fermentasi dalam ransum dan tepung daun bidara (*Ziziphus mauritiana* Lamk) yaitu, R0 (8360,88), R1 (8989,03), R2 (8995,39), R3 (8025,09). Hasil uji sidik ragam menunjukkan tidak berbeda nyata ( $P > 0,05$ ).

Kata kunci: ayam broiler, dedak fermentasi, tepung daun bidara (*Ziziphus mauritiana* Lamk), bobot karkas, lemak abdominal, *income over feed and chick cost*.

**FARADILA SAMAD. 04141911006. THE EFFECT OF FERMENTED BRAN IN BIDARA LEAF RATIONS AND FLOUR (*Ziziphus mauritiana* Lamk) ON CARCASS WEIGHT, ABDOMINAL FAT AND *INCOME OVER FEED AND CHICK COST* IN BROILER CHICKENS**

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**ABSTRACT**

This research aims to determine the effect of providing fermented bran in the diet and bidara leaf flour (*Ziziphus mauritiana* Lamk) on carcass weight, abdominal fat, and *income over feed and chick cost* of broilers. This research was carried out in the experimental pen of the Animal Husbandry Study Program, Faculty of Agriculture, Khairun University, located in Fitu Village, South Ternate City, from September to October 2023. The number of broiler chickens studied was 80. This research was carried out experimentally using a Completely Randomized Design (CRD) consisting of 4 treatments and each treatment was repeated 4 times to obtain 16 treatment units, namely: R0 = (100% basal feed), R1 = (15% fermented bran + 2 % bidara leaf flour + 83% basal feed), R2 = (30% fermented bran + 2% bidara leaf flour + 68% basal feed), R3 = (45% fermented bran + 2% bidara leaf flour + 53% basal feed). The results of the research showed that the average weight of broiler chicken carcasses with the addition of fermented bran in the ration and bidara leaf flour (*Ziziphus mauritiana* Lamk) was, R0 (1254.65), R1 (1251.27), R2 (1166.61), R3 ( 1088.94). The results of the variance test showed significant differences ( $P<0.05$ ). The average percentage of abdominal fat in broiler chickens with the addition of fermented bran in the ration and bidara leaf flour (*Ziziphus mauritiana* Lamk) is, R0 (1.90), R1 (1.88), R2 (1.87), R3 (1.87). The results of the variance test showed significant differences ( $P<0.05$ ). The average *income over feed and chick cost* of broilers with the addition of fermented bran in the ration and bidara leaf flour (*Ziziphus mauritiana* Lamk) is, R0 (8360.88), R1 (8989.03), R2 (8995.39), R3 (8025, 09). The results of the variance test showed that they were not significantly different ( $P>0.05$ ).

Keywords: broiler chicken, fermented bran, bidara leaf flour (*Ziziphus mauritiana* Lamk), carcass weight, abdominal fat, *income over feed and chick cost*.