

## ABSTRAK

### **PENGARUH SUBSTITUSI TEPUNG DAUN SINGKONG (*Manihot utilisima*) TERFERMENTASI *Aspergillus niger* TERHADAP BOBOT HIDUP, BOBOT KARKAS, DAN LEMAK ABDOMINAL AYAM JOPER UMUR 8 MINGGU**

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Penelitian ini bertujuan untuk mengetahui pengaruh substitusi tepung daun singkong terfermentasi *Aspergillus niger* terbaik terhadap bobot hidup, bobot karkas, dan lemak abdominal ayam joper umur 8 minggu. Penelitian ini dilaksanakan pada Januari--Maret 2022 di Laboratorium Nutrisi dan Pakan Ternak, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung dan Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan (0%, 5%, 10%, 15%, dan 20%) tepung daun singkong terfermentasi *Aspergillus niger* yang diulang 4 kali dengan total 20 unit petak percobaan, masing-masing unit berisi 4 ekor ayam joper tanpa dibedakan jantan ataupun betina, sehingga jumlah ayam joper 80 ekor. Peubah yang diamati meliputi bobot hidup, bobot karkas, dan lemak abdominal. Data yang diperoleh dianalisis menggunakan analisis ragam (ANOVA) pada taraf nyata 5%. Hasil penelitian menunjukkan bahwa perlakuan substitusi tepung daun singkong terfermentasi *Aspergillus niger* 0%, 5%, 10%, 15%, dan 20% tidak berpengaruh nyata ( $P>0,05$ ) terhadap bobot hidup, bobot karkas, dan lemak abdominal ayam joper umur 8 minggu. Substitusi daun singkong terfermentasi *Aspergillus niger* hingga taraf 20% masih dapat ditoleransi oleh ayam joper dengan perolehan bobot hidup dan bobot karkas ayam joper cenderung meningkat pada taraf 15% substitusi tepung daun singkong terfermentasi dan lemak abdominal cenderung menurun ayam joper terdapat pada taraf 20% substitusi daun singkong terfermentasi.

Kata kunci : Ayam Joper, bobot hidup, bobot karkas, daun singkong, lemak abdominal.

## **ABSTRACT**

### **THE EFFECT OF SUBSTITUTION OF CASSAVA LEAF FLOUR (*Manihot utilisima*) FERMENTED *Aspergillus niger* ON LIFE WEIGHT, CARCASS WEIGHT, AND ABDOMINAL FAT JOPER CHICKEN ABDOMINAL AGE 8 WEEKS**

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This study aims to determine the effect of substitution of the best fermented cassava leaf flour on *Aspergillus niger* on live weight, carcass weight, and abdominal fat of 8 weeks old joper chicken. This research was conducted in January – March 2022 at the Nutrition and Animal Feed Laboratory, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung and Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. This study used a completely randomized design (CRD) with 5 treatments (0%, 5%, 10%, 15%, and 20%) fermented cassava leaf flour *Aspergillus niger* which was repeated 4 times with a total of 20 experimental plot units, each unit contains 4 joper chickens without distinguishing males or females, so the number of joper chickens is 80. The observed variables included live weight, carcass weight, and abdominal fat. The data obtained were analyzed using analysis of variance (ANOVA) at a 5% significance level. The results showed that the substitution treatment of fermented cassava leaf flour *Aspergillus niger* 0%, 5%, 10%, 15%, and 20% had no significant effect ( $P>0.05$ ) on live weight, carcass weight, and abdominal fat of aged joper chickens 8 weeks. Fermented cassava leaf substitution of *Aspergillus niger* up to 20% can still be tolerated by joper chicken with live weight gain and carcass weight of joper chicken tending to increase at the level of 15% substitution of fermented cassava leaf flour and abdominal fat tended to decrease at the level of 20% substitution of fermented cassava leaf.

Keywords : Joper chicken, live weight, carcass weight, cassava leaves, abdominal fat.