

Pengaruh Pemberian Tepung Bulu Ayam Terfermentasi Terhadap Performa Produksi Burung Puyuh

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian tepung bulu ayam terfermentasi yang difermentasi menggunakan isolat *Aspergillus niger* sebagai pengganti sumbangan protein tepung ikan dalam pakan terhadap performa produksi burung puyuh. Penggunaan *Aspergillus niger* pada tepung bulu ayam dapat meningkatkan kandungan protein terlarut. Metode penelitian yang diterapkan yaitu Rancangan Acak Lengkap (RAL). Setiap perlakuan terdapat 4 kali ulangan sehingga terdapat 160 ekor puyuh. Perlakuan yang digunakan terdiri dari P0 sebagai kontrol (tanpa tepung bulu ayam), P1 (25%), P2 (50%), dan P3 (75%). Parameter pengujian terdiri dari konsumsi pakan, bobot hidup, konversi pakan dan tingkat pencernaan. Penelitian ini menggunakan *Analysis of Variance* (ANOVA). Hasil penelitian menunjukkan bahwa penggunaan tepung bulu ayam terfermentasi menggunakan *Aspergillus niger* pada level pemberian 25% (P1) dan 50% (P2) dari kandungan protein kasar tepung ikan mampu memberikan performa yang tidak berbeda nyata ($>0,05$) dengan perlakuan P0 (kontrol) tanpa penggunaan tepung bulu ayam.

Kata kunci: burung puyuh, tepung bulu ayam terfermentasi, performa produksi

***Effect of Giving Fermented Chicken Feather Flour
Against Quail Production Performance***

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ABSTRACT

*This study aims to determine the effect of giving fermented chicken feather flour using *Aspergillus niger* isolate as a substitute for the contribution of fish meal protein in feed on quail production performance. The use of *Aspergillus niger* in chicken feather flour can increase the dissolved protein content. The research method applied was a completely randomized design (CRD). Each treatment had 4 replications so that there were 160 quails. The treatments used consisted of P0 as a control (without chicken feather flour), P1 (25%), P2 (50%), and P3 (75%). The test parameters consisted of feed consumption, live weight, feed conversion and digestibility. This study uses the Analysis of Variance (ANOVA). The results showed that the use of fermented chicken feather flour using *Aspergillus niger* at a level of 25% (P1) and 50% (P2) of the crude protein content of fish meal was able to provide a performance that was not significantly different (> 0.05) with P0 treatment (control) without the use of chicken feather flour.*

Keywords: *quail, fermented chicken feather flour, production performance*