

ABSTRAK

EFEKTIVITAS PEMBERIAN TEPUNG TULANG BANDENG (*Chanos chanos*) DENGAN METODE *FREEZE DRY* TERHADAP BOBOT OTOT DADA AYAMBANGKOK (*Gallus domesticus*) JANTAN *domesticus*) JANTAN

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Ayam Bangkok (*Gallus domesticus*) merupakan jenis ayam aduan yang performanya didukung oleh postur tubuh yang besar dan kekuatan otot. Pembentukan otot erat kaitannya dengan asupan protein pada pakan ayam. Semakin tinggi asupan protein, maka kebutuhan asam amino di dalam tubuh semakin tercukupi sehingga metabolisme sel tubuh dapat berjalan normal. Tulang bandeng merupakan salah satu limbah perikanan yang mengandung protein tinggi namun masih belum dimanfaatkan. Penelitian ini 9 ekor ayam bangkok (*Gallus domesticus*) jantan yang terbagi menjadi dua kelompok, yaitu kelompok kontrol (K1) dengan jumlah 4 ekor yang diberikan pakan komersial dan kelompok perlakuan (K2) dengan jumlah 5 ekor yang diberikan pakan komersial dan tepung tulang bandeng sebanyak 3.3 gram/hari/ekor. Perlakuan diberikan selama 35 hari pada akhir perlakuan nekropsis dan pengambilan sampel otot dada kemudian Hasil menunjukkan bahwa rerata bobot otot dada pada ayam kelompok K1 adalah 128 gram \pm 23,03 sedangkan pada kelompok K2 adalah sebesar 261,2 gr \pm 25,02. Hasil analisis statistik menunjukkan perbedaan signifikan pada kelompok perlakuan ($>0,05$). bahwa pemberian tepung tulang bandeng (*Chanos chanos*) sebanyak 3,3 gram/ekor/hari dapat meningkatkan bobot otot dada ayam bangkok (*Gallus domesticus*) jantan.

Kata kunci: ayam bangkok, tepung tulang bandeng, protein, otot dada

ABSTRACT

EFFECTIVENESS OF MILK FLOUR (*Chanos chanos*) USING THE FREEZE DRY METHOD ON BREAST MUSCLE WEIGHT OF MALES BANGKOK CHICKEN (*Gallus domesticus*)

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Bangkok chicken (*Gallus domesticus*) is a type of fighting cock whose performance is supported by a large body posture and muscle strength. Muscle building is closely related to protein intake in chicken feed. The higher the protein intake, the more amino acid needs in the body are fulfilled so that the body's cell metabolism can run normally. Milkfish bone is a fishery waste that contains high protein but is still not utilized. This study aims to determine the effectiveness of giving milkfish bone meal to the weight of bangkok chicken breast muscles. In this study, 9 male bangkok chickens (*Gallus domesticus*) were used which were divided into two groups, namely the control group (K1) with 4 chickens given commercial feed and the treatment group (K2) with 5 birds given commercial feed and bone meal. milkfish as much as 3.3 grams/day/head. The treatment was given for 35 days, at the end of the treatment a necropsy was performed and chest muscle samples were taken. Samples of the chest muscles were prepared from the bones and then weighed. The results showed that the average chest muscle weight in the chickens in the K1 group was 128 grams \pm 23.03 while in the K2 group it was 261.2 gr \pm 25.02. The results of the analysis showed significant differences in the treatment group (<0.05). Based on the results of the study it can be concluded that the administration of milkfish bone meal (*Chanos chanos*) as much as 3.3 grams/head/day can increase the breast muscle weight of male bangkok chickens (*Gallus domesticus*).

Keyword: bangkok chicken, milkfish bone meal, protein, breast muscle