

ABSTRAK

EFEK PEMBERIAN TEPUNG CANGKANG KERANG DARAH (*Anadara granosa*) DAN TEPUNG TULANG BANDENG LAUT (*Chanos chanos Forsskal*) TERHADAP BOBOT DAN TINGGI BADAN AYAM BANGKOK JANTAN

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Ayam Bangkok berasal dari Bangkok, Thailand dikenal memiliki tubuh yang besar, kuat, serta memiliki performa yang unggul. Ayam Bangkok memerlukan suplemen untuk menunjang pertumbuhan dan perkembangan. Pemanfaatan Zn yang berasal tepung cangkang kerang darah difungsikan sebagai *aromatase blocker* alami sehingga pengubahan testosteron menjadi estrogen dapat dihambat. Asupan tinggi protein yang berasal dari tepung tulang bandeng laut merangsang pengeluaran hormon pertumbuhan. Tujuan dari penelitian ini untuk mengetahui pengaruh pemberian tepung cangkang kerang darah dan tepung tulang bandeng laut terhadap bobot dan tinggi badan ayam Bangkok jantan. Penelitian ini menggunakan 11 ekor ayam Bangkok jantan berumur 1,5 bulan yang dibagi ke dalam empat kelompok dengan rincian 2 ekor sebagai kontrol, 4 ekor diberi perlakuan campuran tepung cangkang kerang darah 0,45 g dan tepung tulang bandeng laut 0,225 g, 3 ekor diberi perlakuan Zn sebanyak 0,125 ml, dan 2 ekor diberi perlakuan testosteron sebanyak 0,1 ml. Pemberian perlakuan dilakukan setiap hari dan pengukuran bobot dan tinggi badan dilakukan setiap satu minggu sekali selama 56 hari. Hasil peningkatan rata-rata bobot pada kontrol, perlakuan Zn, testosteron, campuran secara berturut-turut adalah 698 g; 903,33 g; 1017,5 g; 1002 g dan tinggi 20,5 cm; 19,33 cm; 20,5 cm; 25,87 cm. Perlakuan pemberian campuran tepung kerang darah (*Anadara granosa*) dan tepung tulang bandeng laut (*Chanos chanos Forsskal*) terdapat kemungkinan meningkatkan bobot dan tinggi badan. Hal ini, limbah cangkang kerang darah dan tulang bandeng laut dapat dijadikan alternatif sebagai suplemen yang tinggi Zn dan protein.

Kata kunci: Ayam Bangkok jantan, kerang darah, bandeng laut, Zn, testosteron, protein, hormon pertumbuhan.

ABSTRACT

THE EFFECT OF GIVING BLOOD CLAMSHELL (*Anadara granosa*) POWDER AND SEA MILKFISH (*Chanos chanos Forsskal*) BONE POWDER ON WEIGHT AND HEIGHT OF MALE BANGKOK CHICKENS

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Bangkok chicken comes from Bangkok, Thailand was known as large, strong body and good performance. Bangkok chickens need supplements to support growth and development. Utilization of Zn derived from blood clamshell powder is used as a natural aromatase blocker so that the conversion of testosterone to estrogen can be inhibited. High protein intake from sea milkfish bone powder stimulates the production of growth hormone. The purpose of this study was to determine the effect of giving blood clamshell powder and sea milkfish bone powder to weight and height of male Bangkok chickens. This study used 11 male Bangkok chickens 1,5 months old which were divided into four groups with details of 2 as controls, 4 chickens were treated with a mixture of 0.45 g of blood clamshell powder and 0.225 g of sea milkfish bone powder, 3 chickens were treated with 0.125 ml of Zn, and 2 chickens were treated with 0.1 ml of testosterone. The treatment was given every day and measurements of weight and height were carried out once a week for 56 days. The results of increasing the average weight on the control, treatment of Zn, testosterone, mixture was 698 g; 903.33 g; 1017.5 g; 1002 g and high 20.5 cm; 19.33 cm; 20.5 cm; 25.87 cm. Treatment of giving a mixture of blood clamshell (*Anadara granosa*) powder and sea milkfish (*Chanos chanos Forsskal*) bone powder has the possibility of increasing body weight and height. In this case, the waste of blood clam shells and sea milkfish bones can be used as an alternative as a supplement that is high in Zn and protein.

Keywords: Male Bangkok chickens, blood clamshell, sea milkfish, Zn, testosterone, protein, growth hormone.