

ABSTRAK

IYUS YUSUP A.1710742 Pengaruh Penggantian Bungkil Kedelai Dengan Tepung Daun Indigofera (*Indigofera tinctoria*) Terhadap Persentase Giblet dan Organ Pencernaan Ayam Kampung Unggul Balitnak (KUB). Dibimbing oleh Hanafi Nur dan Burhanudin Malik.

Ayam KUB merupakan ayam hasil seleksi dari ayam kampung asli Indonesia galur betina (female line) selama enam generasi yang dilakukan oleh Balai Penelitian Ciawi, Bogor. Tepung daun indigofera merupakan salah satu bahan pakan lokal yang kaya akan protein dan berpotensi digunakan sebagai pengganti bungkil kedelai di dalam ransum unggas. Penelitian ini bertujuan untuk menguji pengaruh penggantian bungkil kedelai dengan tepung daun indigofera terhadap persentase giblet dan organ pencernaan ayam KUB. Penelitian dilaksanakan pada 1 April – 15 Juni 2021 di Kampung Nambo Peuntas, Desa Suka Jaya, Kecamatan Taman Sari, Kabupaten Bogor, Provinsi Jawa Barat. Ternak yang digunakan pada penelitian ini adalah 100 ekor ayam KUB *unsexed* umur 1 hari dengan rata-rata bobot badan awal $29,77 \pm 2,94$. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 4 ulangan yang masing-masing terdiri atas 5 ekor ayam KUB. Perlakuan terdiri atas R0 = 0 % tepung daun Indigofera, R1 = 25 % tepung daun Indigofera, R2 = 50 % tepung daun Indigofera, R3 = 75 % tepung daun Indigofera dan R4 = 100 % tepung daun Indigofera. Peubah yang diamati meliputi persentase jantung, hati, ampela, usus halus dan sekum. Data dianalisis dengan menggunakan analisis keragaman (ANOVA) dan *Duncan*. Hasil penelitian menunjukkan bahwa penggantian bungkil kedelai dengan tepung daun indigofera dapat mempertahankan persentase hati, ampela, dan sekum namun tidak dapat mempertahankan persentase jantung dan usus halus ayam KUB.

Kata kunci : Ayam KUB, Tepung Daun Indigofera, Giblet dan Organ Pencernaan.

ABSTRACT

IYUS YUSUP A.1710742. Effects of Soybean Meal Substitution with Indigofera (*Indigofera tinctoria*) Leaf Meal on the Percentages of Giblets and Digestive Organs of Superior Balitnak (KUB) Chickens. Under immediate supervision of Hanafi Nur and Burhanudin Malik.

KUB chickens are resulted from the selection program of Indonesian indigenous chickens (female lines) over six generations conducted by Indonesian Research Institute for Animal Production (Balitnak), Ciawi, Bogor. Indigofera (*Indigofera tinctoria*) leaf meal is a local feedstuff which is rich in protein and potential to be used as a substitute for soybean meal in poultry ration. This study was aimed at assessing the effects of soybean meal substitution with indigofera (*indigofera tinctoria*) leaf meal on the percentages of giblets and digestive organs of KUB chickens. The study was conducted from 1 April to 15 June 2021 in Nambo Peuntas, Suka Jaya Village, Taman Sari District, Bogor Regency, West Java Province. One-hundred unsexed one-day-old KUB chickens with initial body weight of 29.77 ± 2.94 g were evenly distributed to 20 experimental units (5 chickens per unit) in a completely randomized design with 5 treatments and 4 replicates. Treatments consisted of substitutions of soybean meal with 0% indigofera meal (R0), 25% indigofera meal (R1), 50% indigofera meal (R2), 75% indigofera meal (R3), and 100% indigofera meal (R4). Measurements were taken on the percentages of heart, liver, gizzard, small intestine, and caecum. Data were subjected to an analysis of variance and a Duncan test. Results showed that the substitution of soybean meal with indigofera leaf meal in ration could maintain the percentages of heart and small intestines of KUB chickens

Key words: *KUB chicken, indigofera leaf meal, giblets, digestive organ.*