

**PENGARUH JUS DAUN BINAHONG TERHADAP HISTOMORFOLOGI
DAN PROFIL SALURAN PENCERANAAN AYAM KAMPUNG
UNGGUL BALITBANGTAN FASE GROWER**

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INTISARI *

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan jus daun binahong pada level yang berbeda untuk menggantikan pemakaian *Antibiotic Growth Promoter* (AGP) terhadap profil saluran pencernaan ayam Kampung Unggul Balitbangtan (KUB). Penelitian ini dilaksanakan selama 6 minggu yang dimulai dari tanggal 11 November – 23 Desember 2021 di Desa Sorolaten RT 01 RW 14, Sidokarto, Godean, Sleman, Yogyakarta. Penelitian ini menggunakan metode RAL (Rancangan acak Lengkap) pola searah dengan 4 perlakuan dan masing masing perlakuan di ulang sebanyak 3 kali. Perlakuan ini yaitu P1 (BR 2/kontrol), P2 (BR 2 + 6% jus daun binahong), P3 (BR 2 + 12% jus daun binahong) dan P4 (BR 1 + 18% jus daun binahong) dengan 3 kali ulangan. Data yang diperoleh dalam penelitian dianalisis menggunakan analisis variansi (ANAVA), jika ada beda nyata antar perlakuan di uji lanjut dengan *Duncan multiple range test* (DMRT). Variabel yang diamati meliputi bobot proventrikulus, panjang proventrikulus, bobot ventrikulus, panjang ventrikulus, bobot usus halus, panjang usus halus, pH usus, panjang vili usus halus, lebar vili usus halus dan kedalam kripta usus halus. Hasil penelitian dengan perlakuan pemberian level jus daun binahong sampai level 18% dalam pakan tidak mempengaruhi perkembangan saluran pencernaan ayam betina KUB umur 16 – 21 minggu.

Kata Kunci: Ayam KUB, daun binahong, saluran pencernaan, usus halus, vili usus, kandungan nutrisi, kripta.

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THE EFFECT OF BINAHONG LEAF JUICE ON HISTOMORPHOLOGY AND DIGESTIVE TRACT PROFILE OF KAMPUNG UNGGUL BALITBANGTAN CHICKEN IN GROWER PHASE

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ABSTRACT *

This study aims to determine the effect of adding binahong leaf juice at different levels to replace the use of Antibiotic Growth Promoter (AGP) on the digestive tract profile of Kampung Unggul Balitbangtan (KUB) chickens. This research was conducted for 6 weeks starting from November 11 to December 23, 2021 in Sorolaten Village RT 01 RW 14, Sidokarto, Godean, Sleman, Yogyakarta. This study used the RAL (Completely Randomized Design) method in one direction with 4 treatments and each treatment was repeated 3 times. These treatments were P1 (BR 2/control), P2 (BR 2 + 6% binahong leaf juice), P3 (BR 2 + 12% binahong leaf juice) and P4 (BR 1 + 18% binahong leaf juice) with 3 replicates. The data obtained in the study were analyzed using analysis of variance (ANOVA), if there was a significant difference between treatments, the further test was carried out using Duncan's multiple range test (DMRT). Variables observed included proventriculus weight, proventriculus length, ventriculus weight, ventriculus length, small intestine weight, small intestine length, intestinal pH, small intestinal villi length, small intestinal villi width and small intestine crypts. The results of the study with the treatment of giving binahong leaf juice levels to a level of 18% in feed did not affect the development of the digestive tract of KUB hens aged 16-21 weeks.

Keywords: KUB chicken, binahong leaves, digestive tract, small, intestine, intestinal villi, nutritional content, crypts.

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