

ADDITION OF BOILED BETEL LEAVES (PIPPER BETLE) IN DRINKING WATER ON PRODUCTIVITY AND BIOMETRY OF BROILER DIGESTIVE ORGANS

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ABSTRAC

Betel leaf decoction is a natural additive that can be used as an antibiotic. Giving natural additives to broiler chickens can improve the immune system of livestock. This study aims to determine the effect of adding boiled betel leaf (Pipper betle) in drinking water on the productivity and biometrics of the digestive system of broiler chickens. The experimental design used was a completely randomized design (CRD) and analysis of variance (ANOVA). Using 200 broiler chickens. The addition of betel leaf decoction in each treatment had a different concentration, P0 (Giving drinking water without ingredients), P1 (Giving betel leaf stew 1%/liter of drinking water), P2 (Giving betel leaf stew 2%/liter of drinking water), P3 (Given betel leaf stew 3% / liter of drinking water). Parameters observed were feed consumption, body weight gain (PBB), feed conversion, and digestive system biometry. The results showed that the addition of boiled betel leaf (Pipper betle) in drinking water had no significant effect ($P>0.05$) on productivity and biometry of digestive organs in broiler chickens.

Keywords : *Betel Leaf Decoction, Productivity, Digestive Organ Biometry*