

ABSTRAK

PENGARUH SUPLEMENTASI BERBAGAI JENIS PROBIOTIK MELALUI AIR MINUM TERHADAP PERFORMA *BROILER*

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Penelitian ini bertujuan untuk mengetahui performa produksi pada *broiler* yang diberikan suplementasi berbagai jenis probiotik. Penelitian ini dilaksanakan pada 10 Januari — 04 Februari 2018 di Pesawaran *Farm*, Pesawaran. Rancangan percobaan yang digunakan di dalam penelitian ini adalah Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 3 kali ulangan (P0: tanpa suplementasi probiotik, P1: suplementasi probiotik A, P2: suplementasi probiotik B, P3: suplementasi probiotik C). *Broiler* yang digunakan sebanyak 300 ekor dengan jumlah *broiler* per ulangan sebanyak 25 ekor. Hasil penelitian ini menunjukkan bahwa suplementasi probiotik melalui air minum berpengaruh nyata ($P < 0,05$) terhadap penambahan berat tubuh dan konversi ransum, tetapi pada konsumsi ransum tidak berpengaruh nyata ($P > 0,05$). Produk probiotik komersil yang memberikan pengaruh terbaik terhadap konsumsi ransum, penambahan berat tubuh, dan konversi ransum adalah probiotik C.

Kata kunci: suplementasi, probiotik, *broiler*, performa.

ABSTRACT

THE EFFECT OF SUPPLEMENTATION OF VARIOUS PROBIOTIC TYPES THROUGH DRINKING WATER ON BROILER PERFORMANCE

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The aim of the study was to determine the production performance of *broilers* that given supplementation of various types of probiotics. This research was carried out in January-February 2018 at Pesawaran Farm, Pesawaran. The experimental design used in this study was a Completely Randomized Design with 3 replications and 4 treatments (P0: without probiotic supplementation, P1: probiotic supplementation A, P2: B probiotic supplementation, P3: probiotic C supplementation) 300 broilers were used, with 25 broilers per replication. Data was analyzed with the assumptions analysis of variant of 5%. The observed variables in this study were feed consumption, body weight gain, and ration conversion. The results of this study showed that probiotic supplementation through drinking water had a significant effect ($P < 0.05$) on body weight gain and ration conversion, but on feed consumption was not significantly absorbed ($P > 0.05$). Commercial probiotic product who gives the best effect of feed consumption, body weight gain, ration conversion is C probiotic.

Keywords: supplementation, *broiler*, probiotics, performance.