

Ardianto, Bagas Bahtiar, 2019. **Performa Produksi Ayam Broiler Yang Diberi Probiotik *Lactobacillus Plantarum* Dalam Pakan Di Peternakan Ayam Pedaging Bapak M. Sholihuddin Kabupaten Jombang.** Tugas Akhir ini dibawah bimbingan Dr. Nenny Harijani, drh., M.Si, Program studi D3 Paramedik Veteriner, Departemen Kesehatan, Fakultas Vokasi, Universitas Airlangga, Surabaya.

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## ABSTRAK

Percobaan ini bertujuan untuk mengetahui perbedaan pengaruh pemberian antibiotik, dan probiotik dalam pakan ayam pedaging terhadap performa ayam broiler. Percobaan ini dilakukan di peternakan Bapak M. Sholihuddin Jombang. Percobaan ini dilakukan selama 42 hari. Percobaan dilakukan menggunakan rancangan acak lengkap (RCL) yang terdiri dari 3 perlakuan, yaitu pakan basal kontrol (tanpa probiotik dan antibiotic), pakan basal dengan antibiotic dan pakan basal dengan probiotik. Percobaan ini menggunakan mikroba probiotik *Lactobacillus Plantarum* dan mikroba Antibiotik *Zinc Bacitracin*. Perubahan yang diamati adalah konsumsi pakan, berat badan akhir dan *Feed Conversion Rate*. Kesimpulan percobaan adalah pemberian probiotik dalam pakan dapat meningkatkan tingkat konsumsi dan berat badan dibandingkan pakan kontrol dan pakan yang diberi probiotik.

Kata kunci: antibiotik, broiler, pakan basal, probiotik.

Ardianto, Bagas Bahtiar, 2019. **Broiler Chicken Production Performance Given Probiotic *Lactobacillus Plantarum* in Feed on Broiler Chicken Farms Mr. M. Sholihuddin, Jombang Regency.** This Final Project is under the guidance of Dr. Nenny Harijani, drh., M.Si, D3 Program for Veterinary Paramedics, Department of Health, Vocational Faculty, Airlangga University, Surabaya.

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## ABSTRACT

This experiment aims to determine the differences in the effect of antibiotic and probiotic administration in broiler feed on the performance of broiler chickens. This experiment was carried out at the farm of Mr. M. Sholihuddin Jombang. This experiment was conducted for 42 days. The experiment was conducted using a completely randomized design (RCL) consisting of 3 treatments, namely basal control feed (without probiotics and antibiotics), basal feed with antibiotics and basal feed with probiotics. This experiment used probiotic microbes *Lactobacillus Plantarum* and microbial *Zinc Bacitracin* Antibiotics. Changes were observed were feed consumption, final weight and *Feed Conversion Rate*. The conclusion of the experiment was that the administration of probiotics in feed could increase consumption levels and body weight compared to control feed and feed given probiotics.

Keywords: antibiotics, broilers, basal feed, probiotics.