

Qonitatul Rofi'ah, 2019, **Pengaruh Pemberian Variasi Dosis Probiotik Cair terhadap Persentase Berat Lemak Abdominal dan Nilai *Feed Conversion Ratio* (FCR) Itik Pedaging**, Skripsi ini dibawah bimbingan Drs. Agus Supriyanto, M.Kes dan Dr. Dwi Winarni, M.Si, Departemen Biologi, Fakultas Sains dan Teknologi, Universitas Airlangga, Surabaya.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian probiotik cair terhadap persentase berat lemak abdominal dan nilai FCR itik pedaging. Probiotik dalam penelitian ini berisi campuran bakteri *Lactobacillus acidophilus*, *L. bulgaricus*, *L. casei*, *Bifidobacterium bifidum*, *Streptococcus thermophilus*, dan yeast *Saccharomyces cerevisiae*. Desain penelitian berupa rancangan acak lengkap (RAL) eksperimental menggunakan 35 ekor *Day Old Ducks* (DOD) yang dibagi dalam 7 kelompok perlakuan dan 5 ulangan, yakni: 0%, 5%, 6%, 7%, 8%, 9%, dan 10% yang dihitung berdasarkan berat pakan mingguan yang diberikan. Pemberian probiotik dilakukan setiap satu minggu sekali selama 60 hari. Data persentase berat lemak abdominal dan nilai FCR dianalisis dengan uji statistik *One Way ANOVA*. Jika ada beda signifikan, dilanjutkan dengan uji *Games-Howell*. Hasil penelitian menunjukkan bahwa penambahan dosis probiotik 9% dalam pakan memberikan pengaruh yang signifikan terhadap penurunan persentase berat lemak abdominal, namun tidak berpengaruh signifikan terhadap penurunan nilai FCR. Berdasarkan hasil tersebut, dapat disimpulkan bahwa penambahan probiotik dalam pakan berpengaruh terhadap penurunan persentase berat lemak abdominal namun tidak berpengaruh signifikan terhadap penurunan nilai FCR itik pedaging.

Kata kunci: *Itik pedaging, pakan, probiotik, lemak abdominal, bobot panen, FCR.*

Qonitatul Rofi'ah, 2019, **The Effect of Variation Liquid Probiotic Concentrations On Weight Percentages of Abdominal Fat and Feed Conversion Ratio (FCR) Broiler Duck's**, This essay was guided by Drs. Agus Supriyanto, M.Kes and Dr. Dwi Winarni, M.Si, Department of Biology, Faculty of Science and Technology, Airlangga University, Surabaya.

ABSTRACT

The research was done to know the effect of liquid probiotics on the weight percentages of abdominal fat and FCR values of broiler's duck. Probiotics in this study contained a mixture of Lactobacillus acidophilus, L. bulgaricus, L. casei, Bifidobacterium bifidum, Streptococcus thermophilus, and yeast Saccharomyces cerevisiae. The research was used an experimental complete randomized design (CRD) with 35 Day Old Ducks (DOD) that divided into 7 treatment groups and 5 replications, namely: 0%, 5%, 6%, 7%, 8%, 9%, and 10% probiotic concentrations which calculated based on the weight of weekly feed given. The probiotics were given once a week for 60 days. Data of abdominal fat weight and FCR values were analyzed by One Way ANOVA statistics test. If there is a real difference, it was followed by Games-Howell test. The results showed that the addition of 9% probiotic concentration in feed significantly reduced the weight percentages of abdominal fat, but there was nothing significant effect on decreasing FCR values. Based on these results, it can be concluded that the addition of probiotics in feed has an effect on decreasing the weight percentages of abdominal fat but it has no significant effect on decreasing the FCR values of broiler's ducks.

Keywords: Broiler duck, feed, probiotics, abdominal fat, harvest weight, FCR