

ABSTRAK

PENGARUH PEMBERIAN EKSTRAK DAUN KELOR (*Moringa Oleifera*) DALAM AIR MINUM TERHADAP KONSUMSI RANSUM, *HEN-DAY* *PRODUCTION* DAN *INCOME OVER FEED COST* PADA AYAM RAS PETELUR

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan ekstrak daun kelor (*Moringa Oleifera*) pada air minum terhadap konsumsi ransum, *hen-day production*, *Income Over Feed Cost* dan dosis terbaik ekstrak daun kelor (*Moringa Oleifera*) dalam air minum terhadap performa ayam ras petelur. Penelitian ini dilaksanakan pada Januari 2023--Maret 2023 di kandang CV. Margaraya *Farm* di Dusun Sukananti II, Desa Marga Raya, Kecamatan Natar, Kabupaten Lampung Selatan. Metode penelitian yang digunakan adalah Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dan 6 ulangan, setiap ulangan berisi 5 ekor ayam. Perlakuan yang diberikan yaitu air minum tanpa ekstrak daun kelor (P0), air minum dengan dosis 0,5 % ekstrak daun kelor (P1), air minum dengan dosis 1 % ekstrak daun kelor (P2) dan air minum dengan dosis 1,5% ekstrak daun kelor (P3). Data yang diperoleh dianalisis ragam pada taraf 5% dan uji BNT. Hasil penelitian menunjukkan bahwa pemberian ekstrak daun kelor dengan dosis yang berbeda dalam air minum ayam ras petelur, berpengaruh tidak nyata ($P>0,05$) terhadap konsumsi ransum, *hen-day production* dan berpengaruh nyata ($P<0,05$) terhadap *Income Over Feed Cost* dengan dosis ekstrak 0,5% menghasilkan *Income Over Feed Cost* 1,8

Kata kunci: Ayam Ras Petelur, Ekstrak Daun Kelor, Konsumsi Ransum, *Hen-day Production*, dan *Income Over Feed Cost*

ABSTRAK

THE EFFECT OF MORINGA LEAF EXTRACT (MORINGA OLEIFERA) IN DRINKING WATER ON RATION CONSUMPTION, HEN-DAY PRODUCTION AND INCOME OVER FEED COST IN LAYER CHICKEN

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This study aims to determine the effect of adding Moringa leaf extract (*Moringa Oleifera*) to drinking water on ration consumption, hen-day production, Income Over Feed Cost and the best dose of Moringa leaf extract (*Moringa Oleifera*) in drinking water on the performance of laying hens. This research was conducted in January 2023 – March 2023 in the CV. Margaraya Farm in Sukananti II Hamlet, Marga Raya Village, Natar District, South Lampung Regency. The research method used was a Completely Randomized Design (CRD) consisting of 4 treatments and 6 replications, each replication containing 5 chickens. The treatment given was drinking water without Moringa leaf extract (P0), drinking water with a dose of 0.5% Moringa leaf extract (P1), drinking water with a dose of 1% Moringa leaf extract (P2) and drinking water with a dose of 1.5% Moringa leaf extract (P3). The data obtained were analyzed for variance at the 5% level and the least singnificance different (LSD) test. The results showed that administration of Moringa leaf extract with 0,5--1,5% doses in the drinking water of laying hens had no significant effect ($P>0.05$) on ration consumption, hen-day production and had a significant effect ($P<0.05$) on Income Over Feed Cost with a dose of 0.5% extract produces 1.8 Income Over Feed Cost

Keywords: Laying Hens, *Moringa Oleifera* Leaf Extract, Ration Consumption, Hen-day Production, and income over feed cost.