

ABSTRAK

PENGARUH PENAMBAHAN EKSTRAK BUNGA MARIGOLD (*Tagetes erecta*) DALAM RANSUM TERHADAP KONSUMSI RANSUM, BOBOT TELUR, DAN *HEN DAY PRODUCTION*

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan dan level terbaik ekstrak bunga marigold (*Tagetes erecta*) terhadap konsumsi ransum, bobot telur, dan *hen-day production* ayam *Isa Brown*. Penelitian ini dilaksanakan selama 6 minggu pada 16 April--22 Mei 2025 di kandang ayam petelur CV. Margaraya Farm, Dusun Sukananti, Desa Margaraya, Kecamatan Natar, Kabupaten Lampung Selatan. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan yaitu ransum tanpa ekstrak bunga marigold (P0), ransum dengan ekstrak bunga marigold 0,1 g/kg (P1), ransum dengan ekstrak bunga marigold 0,2 g/kg (P2) dan ransum dengan ekstrak bunga marigold 0,3 g/kg (P3). dan 5 ulangan, setiap ulangan terdiri atas 6 ekor ayam ras petelur, sehingga total ayam yang digunakan sebanyak 120 ekor. Peubah yang diamati meliputi konsumsi ransum, bobot telur, dan *hen-day production*. Data yang diperoleh dianalisis ragam. Hasil analisis ragam menunjukkan pemberian ransum ekstrak bunga marigold tidak berpengaruh nyata ($P>0,05$) terhadap konsumsi ransum, bobot telur dan *hen-day production*. Pemberian ekstrak bunga marigold hingga 0,3 g/kg belum mampu meningkatkan produktivitas ayam petelur.

Kata Kunci : Ayam petelur, Ekstrak bunga marigold, Konsumsi ransum, Bobot telur, *Hen-day production*.

ABSTRACT

THE EFFECT OF ADDING MARIGOLD FLOWER EXTRACT (*Tagetes erecta*) IN THE RATION ON FEED CONSUMPTION, EGG WEIGHT, AND *HEN DAY PRODUCTION*

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This study aimed to determine the effect and the optimal level of marigold (*Tagetes erecta*) flower extract supplementation on feed intake, egg weight, and *hen-day production* in *Isa Brown* laying hens. The study was conducted for six weeks, from April 16 to May 22, 2025, at CV. Margaraya *Farm*, Sukananti Hamlet, Margaraya Village, Natar Subdistrict, South Lampung Regency. A completely randomized design (CRD) was used with four treatments feed without marigold flower extract (P0), feed with 0.1 g/kg marigold flower extract (P1), feed with 0.2 g/kg marigold flower extract (P2), and feed with 0.3 g/kg marigold flower extract (P3). Each treatment was replicated five times, with each replication consisting of six laying hens, resulting in a total of 120 birds used. The observed variables included feed intake, egg weight, and *hen-day production*. Data obtained were analyzed using analysis of variance. The results showed that supplementation of marigold flower extract had no significant effect ($P>0.05$) on feed intake, egg weight, or *hen-day production*. Supplementation up to 0.3 g/kg marigold flower extract was not sufficient to improve the productivity of laying hens.

Keywords : Laying hens, Marigold flower extract, *Feed* intake, Egg weight, *Hen-day production*.