

ABSTRAK

PENGARUH BERBAGAI MEDIA TERHADAP SUHU MEDIA DAN PRODUKSI MAGGOT

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Penelitian ini bertujuan untuk mengetahui pengaruh berbagai media tumbuh maggot terhadap suhu media dan produksi maggot. Selain itu, untuk mengetahui media tumbuh terbaik serta hubungan antara pH media dan suhu media. Penelitian ini telah dilaksanakan pada 3 Mei—12 Juni 2017 di Kandang Jurusan Peternakan dan Laboratorium Analisis Politeknik Negeri Lampung. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan media dan 5 ulangan. Perlakuan media meliputi: R1 (ampas tahu), R2 (bungkil sawit), R3 (limbah ikan), dan R4 (darah ayam). Data penelitian yang diperoleh dianalisis ragam pada taraf 5% dan atau 1% serta uji lanjut dengan uji Duncan; untuk menganalisis hubungan antara rasio C/N media dan produksi maggot, serta suhu media dan pH media digunakan uji regresi. Hasil penelitian ini menunjukkan bahwa terdapat perbedaan yang sangat nyata pada berbagai media terhadap suhu media pada pagi hari ($P < 0,01$). Sebaliknya, pada siang dan sore hari tidak berbeda nyata ($P > 0,05$). Maggot yang dihasilkan tertinggi pada bungkil sawit dengan rata-rata $358,5 \pm 65,76$ gram. Hubungan antara suhu media darah ayam dan pH media sangat erat ($Y = -47,00 + 2,00 X$, $[26,0; 26,50 \text{ } ^\circ\text{C}]$).

Kata kunci: maggot, suhu media, pH media

ABSTRACT

The Effect of Various Media on Media Temperature and Maggot Production

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This study aimed to determine the effect of various growth media to the media maggot temperatures and maggot production. Apart from that for know about the relationship between of media pH and media temperature. The research was conducted on May 3-June 12, 2017 in the Cage Department of Animal Husbandry and Lampung State Polytechnic Analysis Laboratory. This study uses a completely randomized design (CRD) with four treatments and five replicates media. Treatments of media include: R1 (tofu waste), R2 (palm kernel meal), R3 (fish waste) and R4 (chicken blood). The research data were analyzed variance at 5% or 1%, and a further test by Duncan test, for analyse the relationship between C/N ratio maggot media and maggot production, also media temperature and pH media tested with regrestion testing. The results showed a highly significant difference in various media to the media on the morning temperature ($P < 0.01$). On the contrary, the influence of various media on the temperature during the day and evening was not significantly different ($P > 0.05$). The highest maggot production on palm kernel meal media with an average of 358.5 ± 65.76 gram. The relationship between the temperature of the chicken blood media and media pH was very tight with the equation $= -47.00 + 2.00X$, [26.0: 26.50 °C].

Keywords: maggot, media temperature, pH media