

ABSTRACT

THE EFFECT OF CHICKEN AGE ON EGG FERTILITY OF BALITBANGTAN SUPERIOR VILLAGE CHICKEN (KUB)

This study was to know determine the effect of the age of the hen on egg fertility in Ayam Kampung Unggul Balitbangan (KUB). The study was conducted on egg hatching in Sambong Hamlet, Sawentar Village, Kanigoro District, Blitar Regency. The study was conducted experimentally using a Completely Randomized Design (CRD) with a one-way pattern consisting of three treatments of the age of the hen, namely P1 (28 weeks), P2 (32 weeks), and P3 (48 weeks), each with 6 replications and 10 eggs per replication. Observations were made 5 days after the eggs were put into the incubator. The research parameters included hatching losses and fertility in KUB chicken eggs. The results showed that the age of KUB chickens had a different but not significant effect ($P>0.05$) on the fertility of KUB chicken eggs. The highest fertility of KUB chicken eggs was obtained at P2, which was 93.3%, while the lowest fertility of KUB chicken eggs was obtained at P1, which was 88.3% and the fertility of KUB chicken eggs at P3, which was 90%.

Keywords : *KUB chicken, parent age, fertility, hatching loss.*

ABSTRAK

PENGARUH USIA AYAM TERHADAP FERTILITAS TELUR AYAM KAMPUNG UNGGUL BALITBANGTAN (KUB)

Penelitian ini bertujuan untuk mengetahui pengaruh umur ayam terhadap fertilitas telur pada Ayam Kampung Unggul Balitbangan (KUB). Penelitian dilakukan pada penetasan telur di Dusun Sambong, Desa Sawentar, Kecamatan Kanigoro, Kabupaten Blitar. Penelitian dilakukan secara eksperimental menggunakan Rancangan Acak Lengkap (RAL) pola searah yang terdiri dari tiga perlakuan umur ayam, yaitu P1 (28 minggu), P2 (32 minggu), dan P3 (48 minggu), masing-masing dengan 6 ulangan dan 10 butir telur per ulangan. Pengamatan dilakukan 5 hari setelah telur dimasukkan ke dalam inkubator. Parameter penelitian meliputi susut penetasan dan fertilitas pada telur ayam KUB. Hasil penelitian menunjukkan bahwa umur ayam KUB memiliki pengaruh yang berbeda namun tidak nyata ($P>0,05$) terhadap fertilitas telur ayam KUB. Fertilitas telur ayam KUB tertinggi diperoleh pada P2, yaitu 93,3%, sedangkan fertilitas telur ayam KUB terendah diperoleh pada P1, yaitu 88,3% dan fertilitas telur ayam KUB pada P3, yaitu 90%.

Kata kunci: ayam KUB, umur induk, fertilitas, hatching loss.

