

ABSTRAK

PENGARUH PENGGUNAAN JENIS *LITTER* SEKAM PADI DAN SERUTAN KAYU TERHADAP SUHU *LITTER*, pH, DAN KADAR AMONIA PADA KANDANG *CLOSED HOUSE* UNIVERSITAS LAMPUNG

Oleh

Rifki Dwi Anggoro

Penelitian ini bertujuan untuk : 1) mengetahui pengaruh penggunaan jenis *litter* sekam padi dan serutan kayu di *closed house* terhadap suhu *litter*, pH, dan kadar amonia; 2) mengetahui jenis *litter* yang terbaik dalam pemeliharaan *broiler* di *closed house* terhadap suhu *litter*, pH, dan kadar amonia. Penelitian ini dilakukan selama 30 hari yaitu pada 28 Maret--26 April 2022, di *closed house* Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Penelitian ini dilakukan dengan menggunakan metode eksperimental pada 5.312 ekor ayam *broiler*. Perlakuan yang diberikan terdiri atas jenis bahan *litter* (serutan kayu dan sekam padi). Data yang diperoleh dianalisis dengan menggunakan analisis uji T dengan membandingkan dua perlakuan antara *litter* serutan kayu dan sekam padi. Hasil penelitian ini menunjukkan bahwa ; (1) penggunaan jenis bahan *litter* serutan kayu dan sekam padi pada *closed house* menghasilkan pengaruh tidak nyata terhadap suhu *litter*, tetapi berpengaruh nyata terhadap kadar amonia dan pH *litter* pada minggu ketiga dan keempat; (2) perlakuan jenis bahan *litter* sekam padi pada *closed house* memberikan pengaruh yang baik terhadap kualitas *litter*.

Kata kunci : *Broiler*, *closed house*, *litter*, sekam padi, dan serutan kayu.

ABSTRACT

THE EFFECT OF THE USE OF *LITTER* TYPES OF RICE HUSK AND WOOD SHARPS ON THE *LITTER* TEMPERATURE, pH, AND LEVELS OF AMMONIA IN *CLOSED HOUSE* UNIVERSITY OF LAMPUNG

By

Rifki Dwi Anggoro

This study aims to : 1) determine the effect of the use of rice husk and wood shavings in the cage on the *litter* temperature, pH, and levels of ammonia; 2) determine the best type of *litter* in *broiler* rearing in cages on *litter* temperature, pH, and levels of ammonia. This research was conducted for 30 days, from March 28 to April 26, 2022, in the *broiler closed house* of the Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. This research was conducted using an experimental method on 5.312 heads *broiler*. The treatment given consisted of the type of *litter* material (wood shavings and rice husks). The data obtained were analyzed by using T test analysis by comparing the two treatments between wood shavings *litter* and rice husks. The results of this study showed that ; (1) the use of wood shavings and rice husks in closed house had an insignificant effect on *litter* temperature, but had a significant effect on ammonia levels and *litter* pH in the third and fourth weeks; (2) the treatment of the type of rice husk material in a closed house has a good influence on the quality of the *litter*.

Keywords: *Broiler, closed house, litter, rice husk, and wood shavings.*