

**LEMBAR PERSETUJUAN**

**SKRIPSI**

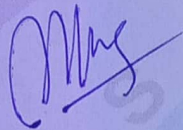
**PERSENTASE TITER ANTIBODI *Avian Influenza* (AI) DENGAN UJI  
*Haemagglutination Inhibition* (HI) DITINJAU DARI BIOSECURITY DI  
PETERNAKAN AYAM FILIPINA (*American folt*) KOTA GORONTALO**

Oleh

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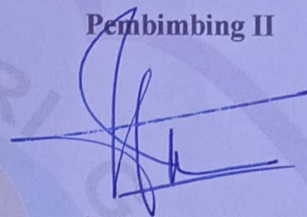
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Pembimbing I



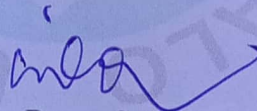
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LEMBAR PENGESAHAN

SKRIPSI

PERSENTASE TITER ANTIBODI *Avian Influenza* (AI)  
DENGAN UJI *Haemagglutination Inhibition* (HI)  
DITINJAU DARI BIOSECURITY  
DI PETERNAKAN AYAM FILIPINA (*American folt*) KOTA GORONTALO

Oleh

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Telah Dipertahankan Di Depan Dewan Penguji

Hari/Tanggal : Rabu, 12 Januari 2022  
Waktu : 09.15 – 10.30 WITA  
Tempat : Ruang Program Studi Biologi

Penguji/Pembimbing

- |                                      |                 |        |
|--------------------------------------|-----------------|--------|
| 1. Syam S. Kumaji, S.Pd, M.Kes       | (Penguji I)     | 1..... |
| 2. Drs. Mustamin Ibrahim, M.Si       | (Penguji II)    | 2..... |
| 3. drh. Kristina Dwi Wulandari       | (Penguji III)   | 3..... |
| 4. Prof. Dr. Margaretha Solang, M.Si | (Pembimbing I)  | 4..... |
| 5. Wirnangsih D. Uno, S.Pd, M.Kes    | (Pembimbing II) | 5..... |

Gorontalo, 22 Januari 2022

Mengetahui

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## ABSTRAK

Penelitian ini bertujuan untuk mengetahui persentase titer antibody *Avian influenza* (AI) dengan uji *Haemagglutination Inhibition* (HI) ditinjau dari Biosecurity di peternakan ayam Filipina (*American folt*) Kota Gorontalo. Penelitian ini menggunakan metode observasi langsung penerapan biosecurity di peternakan dan data titer antibodi *avian influenza* diperoleh berdasarkan hasil pengujian yang dilakukan selama pelaksanaan magang di Balai Karantina Pertanian Kelas II Gorontalo. Analisis data dilakukan secara deskriptif kualitatif. Hasil penelitian menunjukkan bahwa persentase titer antibodi protektif *Avian influenza* (AI) pada ke-3 peternakan ayam filipina di Kota Gorontalo yaitu peternakan ZD 3.22%, peternakan MCY 0% dan peternakan AT 0%. Persentase yang diperoleh menunjukkan bahwa keberadaan dan penyebaran penyakit *Avian influenza* di ke-3 peternakan ayam filipina Kota Gorontalo masih rendah. Penerapan biosecurity di peternakan menunjukkan bahwa pada ke-3 peternakan ayam filipina Kota Gorontalo terpusat pada isolasi dan sanitasi, meskipun penerapannya masih kurang detail dan menyeluruh. Terpusatnya biosecurity pada komponen isolasi dan sanitasi menyebabkan kelemahan pada komponen kontrol lalu-lintas.

**Kata kunci:** *Persentase titer antibodi, Avian influenza, Biosecurity, Ayam filipina*

## ABSTRACT

This research aimed to determine the percentage of protective antibody titers of *Avian Influenza* (AI) with Haemagglutination Inhibition (HI) reviewed from biosecurity in Filipino chicken (American folt) farms in Gorontalo City. This research used direct observation in relation to the application of biosecurity on farms, and data on *Avian Influenza* antibody titers were obtained based on the results of tests conducted during the internship at Class II Agricultural Quarantine Center of Gorontalo. Data analysis was carried out qualitative descriptively. The results showed that the percentage of protective antibody titers for *Avian Influenza* (AI) in the 3 Filipino chicken farms was 3.22% in farm ZD, 0% in farm MCY, and 0% in farm AT. The percentage obtained indicated that the emergence and transmission of *Avian influenza* disease in the 3 Filipino chicken farms in Gorontalo City were still low. In addition, the application of biosecurity in the farms denoted that the 3 Filipino chicken farms in Gorontalo City were focused on isolation and sanitation, although the implementation was still lacking in detail and comprehensiveness. The concentration of biosecurity components on isolation and sanitation had led to an existence of weaknesses in the application of traffic control components.

**Keywords:** *Antibody titer percentage, Avian influenza, Biosecurity, Filipino chicken*

