

## ABSTRAK

### **PROFIL TITER ANTIBODI AVIAN INFLUENZA DAN NEWCASTLE DISEASE PADA AYAM PETELUR YANG DIBERI SUPLEMENTASI EKSTRAK DAUN KELOR (*Moringa oleifera*) PADA AIR MINUM**

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Penelitian ini bertujuan untuk mengetahui titer antibodi AI dan ND pada ayam petelur yang diberi suplementasi ekstrak daun kelor (*Moringa oleifera*) pada air minum, dilaksanakan pada 26 Januari--Maret 2023 di CV Margaraya Farm. Analisis titer antibodi dilakukan di laboratorium *Virologi* Balai Veteriner Lampung. empat perlakuan dan enam ulangan yaitu air minum tanpa *Moringa Oleifera* (P0), Dosis 0,5% (0,5 ml ekstrak + 99,5 ml air) (P1), Dosis 1% (1 ml ekstrak + 99 ml air) (P2), Dosis 1,5% (1,5 ml ekstrak + 98,5 ml air) (P3). Berdasarkan hasil analisis deskriptif menunjukkan bahwa pemberian *Moringa oleifera* dengan dosis 0,5% (0,5 ml ekstrak + 99,5 ml air) menunjukkan nilai tertinggi pada AI (*Avian Infleunza*) dengan hasil log 109,33 dan ND (*Newcastle Disease*) dengan hasil log 298,67 yang disajikan dalam bentuk tabulasi dan histogram.

**Kata kunci** : profil titer antibodi, *Avian Influenza*, *Newcastle Disease*, ayam petelur, ekstrak daun kelor, air minum

## **ABSTRACT**

### **PROFILE OF AVIAN INFLUENZA AND NEWCASTLE DISEASE ANTIBODY TITERS IN LAYING CHICKEN GIVEN SUPPLEMENTED MORINGA LEAF EXTRACT (*Moringa oleifera*) IN DRINKING WATER**

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This study aims to determine the titers of AI and ND antibodies in laying hens supplemented with *Moringa oleifera* leaf extract in drinking water, carried out from January 26 to March 2023 at CV Margaraya Farm. Antibody titer analysis was carried out at the Virology Laboratory of the Lampung Veterinary Institute. four treatments and six replicates namely drinking water without *Moringa Oleifera* (P0), 0.5% dose (0.5 ml extract + 99.5 ml water) (P1), 1% dose (1 ml extract + 99 ml water) ( P2), 1.5% dose (1.5 ml extract + 98.5 ml water) (P3). Based on the results of the descriptive analysis showed that giving *Moringa oleifera* at a dose of 0.5% (0.5 ml extract + 99.5 ml water) showed the highest value in AI (Avian Infleunza) with a log result of 109.33 and ND (Newcastle Disease) with log 298.67 results presented in the form of tabulations and histograms.

**Keywords :** antibody titer profile, *Avian Influenza*, newcastle disease, laying hens, moringa leaf extract, drinking water