

**PEMBERIAN SEDIAAN HERBAL TEH CELUP DAUN KERSEN
(*Muntingia calabura L.*) DAN BROTOWALI (*Tinospora cordifolia*)
TERHADAP IMUNITAS BROILER**

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RINGKASAN

Penelitian ini bertujuan untuk menganalisis pemberian teh celup daun kersen (*Muntingia calabura L.*) dan brotowali (*Tinospora Cordifolia*) terhadap imunitas broiler pasca vaksinasi *Newcastle Disease*, dilaksanakan pada bulan Januari – Juni 2021 di Kandang ternak Politeknik Negeri Lampung dan Laboratorium *Virologi* Balai Veteriner Lampung. Penelitian ini menggunakan Analisis Ragam Rancangan Acak Lengkap dengan 8 perlakuan dan 3 ulangan. P₀ sebagai kontrol dengan pemeliharaan tanpa diberikan teh celup daun kersen / brotowali / perpaduan teh celup daun kersen dan brotowali pada air minumannya. P₁ diberikan teh celup daun kersen setiap hari pada air minumannya, P₂ diberikan teh celup brotowali setiap hari pada air minumannya, P₃ diberikan teh celup daun kersen hanya pada fase *starter* pada air minumannya, P₄ diberikan teh celup brotowali hanya pada fase *finisher* pada air minumannya, P₅ diberikan teh celup daun kersen setiap hari dan pada fase *finisher* diberikan teh celup brotowali, P₆ diberikan teh celup daun kersen hanya pada fase *starter* dan teh celup brotowali setiap hari, P₇ diberikan teh celup daun kersen pada fase *starter* dan diberikan teh celup brotowali pada fase *finisher*, dengan dosis daun kersen 0,042 g/Kg BB dan dosis brotowali 5,12 g/Kg BB. Berdasarkan analisis ragam pemberian teh celup daun kersen dan teh celup brotowali berpengaruh nyata ($P < 0,05$) terhadap imunitas broiler. Hasil uji serologi HI titer antibodi yang diberikan perlakuan pemberian teh celup daun kersen dan brotowali lebih tinggi 2^4 dibandingkan dengan broiler yang tidak diberikan teh celup daun kersen dan brotowali 2^1 dan organ Limfoid pada penelitian ini masuk kedalam *range* normal, tidak ada efek yang merugikan atas pemberian sediaan teh celup daun kersen dan brotowali terhadap kerja organ limfoid.

Kata kunci : Kersen, Brotowali, ND, Imunitas, Broiler

**CHERRY LEAF TEA BAG (*Muntingia calabura L.*) AND BROTOWALI
(*Tinospora cordifolia*) AS BROILER IMMUNITY**

by

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ABSTRACT

*This study aims to analyze the administration of cherry leaf (*Muntingia calabura L.*) and brotowali (*Tinospora Cordifolia*) teabags on broiler immunity after Newcastle Disease vaccination, carried out in January – June 2021 at the Lampung State Polytechnic livestock pen and the Virology Laboratory of the Lampung Veterinary Center. This study used a Completely Randomized Design Variety Analysis with 8 treatments and 3 replications. P₀ as a control with maintenance without being given cherry leaf teabag / brotowali / a combination of cherry leaf teabag and brotowali in drinking water. P₁ is given cherry leaf teabags every day in their drinking water, P₂ is given brotowali teabags every day in their drinking water, P₃ is given cherry leaf teabags only in the starter phase of their drinking water, P₄ is given brotowali tea bags only in the finisher phase of their drinking water, P₅ was given cherry leaf tea bags every day and in the finisher phase was given brotowali tea bags, P₆ was given cherry leaf tea bags only in the starter phase and brotowali tea bags every day, P₇ was given cherry leaf tea bags in the starter phase and brotowali tea bags were given in the starter phase. finisher, with a dose of cherry leaf 0.042 g/Kg BW and a brotowali dose of 5.12 g/Kg BW. Based on the analysis of variance, the administration of cherry leaf teabags and brotowali teabags had a significant ($P < 0.05$) effect on broiler immunity. The results of the serological test for HI antibody titers that were given treatment with cherry and brotowali teabags were 2⁴ higher than those who were not given cherry and brotowali 2¹ teabags and the lymphoid organs in this study were in the normal range, there was no adverse effect on administration. preparation of cherry and brotowali leaf teabags on the work of lymphoid organs.*

Keyword : *Cherry Leaf, Brotowali, ND, Immunity, Broiler*