

INTISARI

PENGARUH PEMBERIAN PROTEXIN® DAN KOMBINASINYA DENGAN SANGROVIT® DAN FORMI NDF® PADA NILAI HEMATOLOGI AYAM BROILER

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Penggunaan imbuhan pakan berupa prebiotik dan probiotik menjadi cara alternatif dalam peningkatan performa dan pertumbuhan ayam. Tingkat performa dan pertumbuhan ayam dapat dilihat dari faktor hematologi. Tujuan penelitian ini adalah untuk meneliti pengaruh Protexin® 100 gr/ton, dan kombinasi Protexin® 50 gr/ton + Sangrovit® 30gr/ton serta Protexin® 50 gr/ton + Formi NDF® 1 kg/ton terhadap gambaran darah ayam broiler.

Pengambilan sampel darah dilakukan pada hari ke-28 dengan mengambil sejumlah 3 sampel setiap perlakuan. Sampel darah diperiksa di laboratorium BBVET Wates untuk menghitung *packed cell volume* (PCV), total sel darah merah (SDM), total sel darah putih (SDP) serta diferensial leukosit. Data gambaran darah kemudian diolah dalam *Statistical Product and Service Solution* (SPSS) dengan uji ANOVA dan Kruskal Wallis.

Hasil penelitian menunjukkan bahwa pemberian imbuhan pakan memberikan pengaruh yang signifikan ($P < 0,05$) terhadap total leukosit dan limfosit, namun tidak memberikan pengaruh yang signifikan terhadap parameter PCV, total sel darah merah, heterofil, eosinofil, dan monosit. Secara khusus kombinasi Protexin® dengan Formi NDF® memberikan pengaruh paling signifikan ($P < 0,05$) dibanding pemberian Protexin® sebagai imbuhan pakan tunggal ataupun kombinasi Protexin® dengan Sangrovit®.

Kata kunci: Protexin®, Sangrovit®, Formi NDF®, hematologi, ayam broiler

ABSTRACT

EFFECT FROM ADDITION OF PROTEXIN® AND ITS COMBINATION WITH SANGROVIT® AND FORMI NDF® ON HEMATOLOGY VALUE OF BROILER CHICKEN

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Addition of feed additives such as prebiotics and probiotics is an alternative way to improve broiler chickens' performance and growth. The performance and growth level of broilers can be seen from hematological factors. The purpose of this research is to study the effect of Protexin® 100 gr/ton, as well as the combination of Protexin® 50 gr/ton + Sangrovit® 30gr/ton and Protexin® 50 gr/ton + Formi NDF® 1 kg/ton on broilers' hematology profile.

Blood samples were taken on the 28th day by taking 3 samples from each group, to be then examined at BBVET Wates laboratory for packed cell volume (PCV), total red blood cells, total white blood cells and differential leukocytes. Data was then analysed using Statistical Product and Service Solution (SPSS) with Kruskal Wallis and ANOVA tests.

The result shows that supplementation of feed additives have significant effects ($P < 0,05$) on total leukocytes and lymphocytes, but no significant effects ($P > 0,05$) on PCV, red blood cells, heterophils, eosinophils and monocytes. Combination of Protexin® and Formi NDF® gave the most significant effect compared to the use of Protexin® as sole feed additive or its combination with Sangrovit®.

Keywords: Protexin®, Sangrovit®, Formi NDF®, hematology, broiler chicken