EFEKTIVITAS TEPUNG KULIT BUAH NAGA DALAM RANSUM SEBAGAI IMUNOMODULATOR PADA BROILER

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RINGKASAN

Penelitian bertujuan untuk menganalisis efektivitas tepung kulit buah naga dalam ransum sebagai imunomodulator pada broiler yang dilaksanakan pada bulan Agustus 2023 – Agustus 2024 di kandang Politeknik Negeri Lampung dan Laboratorium Virologi Balai Veteriner Lampung. Penelitian dilakukan dengan menggunakan 90 ekor broiler dengan 3 perlakuan dan 6 ulangan. Dosis yang diberikan yaitu P0 = tanpa tepung kulit buah naga, P1 = Pemberian 3% tepung kulit buah naga merah, P2 = Pemberian 6% tepung kulit buah naga merah. Pengambilan sampel darah dilakukan pada hari 8, 7 pasca vaksinasi, 14 pasca vaksinasi yang dilakukan pada pembuluh darah *vena pectoralis*. Berdasarkan hasil penelitian pada hari ke 8 tidak berpengaruh nyata terhadap nilai rata-rata titer ND, hari ke-7 pasca vaksinasi berpengaruh nyata yang artinya P0 berbeda dengan P1 dan P2 tetapi P1 sama dengan P2, hari ke-14 pasca vaksinasi berpengaruh nyata yang artinya P0 berbeda dengan P1 dan P2 tetapi P1 sama dengan P2 , persentase *bursa fabricius* tidak berpengaruh nyata terhadap nilai rata-rata persentase *bursa fabrisius* dan pada limpa berpengaruh nyata yang artinya P0 berbeda dengan P1 dan P2 tetapi P1 sama dengan P2. Maka dapat disimpulkan bahwa penggunaan tepung kulit buah naga dalam ransum broiler sebagai imunomodulator efektif sampai level 3%.

Kata kunci: broiler, imunomodulator, kulit buah naga.

EFFECTIVENESS OF DRAGON FRUIT PEEL FLOUR IN RATIONS AS AN IMMUNOMODULATOR IN BROILER

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ABSTRACT

The study aimed to analyze the effectiveness of dragon fruit peel flour in rations as an immunomodulator in broilers carried out in August 2023 - August 2024 in the Lampung State Polytechnic Livestock Cage and Lampung Veterinary Center Virology Laboratory. The study was conducted using 90 broilers with 3 treatments and 6 replicates. The doses given were P0 = without dragon fruit peel flour, P1 = 3% red dragon fruit peel flour, P2 = 6% red dragon fruit peel flour. Blood sampling was done on day 8, 7 post-vaccination, 14 post-vaccination which was done in the pectoralis vein. Based on the results of the study on day 8 had no significant effect on the average value of ND titer, day 7 post-vaccination had a significant effect which means P0 is different from P1 and P2 but P1 is the same as P2, day 14 post-vaccination had a significant effect which means P0 is different from P1 and P2 but P1 is the same as P2, the percentage of fabricius bursa had no significant effect on the average value of the percentage of fabrisius bursa and on the spleen had a significant effect which means P0 is different from P1 and P2 but P1 is the same as P2. So it can be concluded that the use of dragon fruit peel flour in broiler rations as an effective immunomodulator up to 3% level.

Keywords: broiler, immunomodulator, dragon fruit peel.