

ABSTRAK

PENGARUH SUPLEMENTASI TEPUNG KROKOT (*Portulaca oleracea*) TERHADAP SEL DARAH MERAH, HEMOGLOBIN, DAN *PACKED CELL VOLUME* PADA KAMBING JAWARANDU (*Capra aegagrus hircus*)

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Penelitian ini bertujuan untuk mengetahui dosis terbaik pemberian tepung Krokot terhadap sel darah merah, hemoglobin, dan *packed cell volume* pada kambing Jawarandu. Penelitian ini dilaksanakan pada Februari--Maret 2021 di Kelompok Ternak Rambon Asri, Desa Rejo Asri, Kecamatan Seputih Raman, Kabupaten Lampung Tengah, Provinsi Lampung. Pemeriksaan sel darah merah, hemoglobin, dan *packed cell volume* dilaksanakan di Balai Veteriner Provinsi Lampung. Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 5 ulangan. Perlakuan yang diberikan yaitu ransum basal (P0), ransum basal dengan suplementasi 5% tepung Krokot (P1), ransum basal dengan suplementasi 10% tepung Krokot (P2), dan ransum basal dengan suplementasi 15% tepung Krokot (P3). Data yang diperoleh dianalisis menggunakan analisis ragam dengan taraf nyata 5% dan dilanjutkan uji dengan polinomial ortogonal. Hasil penelitian didapatkan pemberian suplementasi tepung Krokot tidak berpengaruh nyata ($P > 0,05$) terhadap total eritrosit dan hemoglobin, tetapi berpengaruh nyata ($P < 0,05$) terhadap *packed cell volume* darah kambing Jawarandu. Dosis suplementasi tepung Krokot optimum pada sel darah merah, hemoglobin, dan hematokrit berturut-turut adalah 3,01% kg/BK ransum, 2,17% kg/BK ransum, dan 3,16% kg/BK ransum.

Kata Kunci: Hemoglobin, Kambing Jawarandu, *Packed Cell Volume*, Sel Darah Merah, dan Tepung Krokot.

ABSTRACT

THE EFFECT OF SUPPLEMENTATION OF PUSH FLOUR (*Portulaca oleracea*) ON HEMOGLOBIN RED BLOOD CELLS AND PACKED CELL VOLUME IN JAWARANDU GOAT (*Capra aegagrus hircus*)

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This study aims to determine the best dose of red blood cell purslane flour, hemoglobin, and packed cell volume in Jawarandu Goats. This research was conducted in February-March 2021 at the Rambon Asri Cattle Group, Rejo Asri Village, Seputih Raman District, Central Lampung Regency, Lampung Province. Examination of red blood cells, hemoglobin, and pack volume cells was carried out at the Veterinary Center of Lampung Province. The experiment used was a completely randomized design (CRD) with 4 treatments and 5 designs. The treatments were basal ration (P0), basal ration with 5% purslane flour supplementation (P1), basal ration with 10% purslane flour supplementation (P2), and basal ration with 15% purslane flour supplementation (P3). The data obtained were analyzed using analysis of variance with a significance level of 5% and continued with orthogonal polynomials. The results showed that purslane flour supplementation had no significant effect ($P>0.05$) on total erythrocytes and hemoglobin, but had a significant effect ($P<0.05$) on the volume of packed cells of Jawarandu Goat. The optimum dose of purslane flour supplementation on red blood cells, hemoglobin, and hematocrit were 3.01% kg/BK ration, 2.17% kg/BK ration, and 3.16% kg/BK ration, respectively.

Keywords: *Hemoglobin, Jawarandu Goat, Packed Cell Volume, Red Blood Cells, and Flour Purslane.*