

Treatment of Rabbit Coccidiosis with Combination of Herbal Extract II toward Oocysts Excretion and Hematology Parameters

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Abstract	<p>This study aims to determine oocysts excretion and hematological profile in coccidiosis rabbits given a combination of herbal extract II. Hematological profiles observed were red blood cells (RBC), white blood cells (WBC), hemoglobin (HGB), hematocrit (HCT), granulocytes, eosinophils, monocytes, lymphocytes, Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH) and Mean Corpuscular Hemoglobin Concentration (MCHC). This study used 40 rabbit coccidiosis material with +/- 3 months age of +/- 650 g weight, a combination of herbal extracts consisting of banana stem extract (BSE), papaya seeds (PSE) and garlic (GE), a set of tools and materials for rabbit maintenance and a set of hematological examination tools. The research method was carried out experimentally using a Completely Randomized Design (CRD). The analysis used variance analysis followed by Honest Real Difference (HRD). The combination of herbal extract II consists of BSE: 40 mg; PSE: 20 mg; GE: 40 mg. Rabbits were divided into 8 treatments with 5 replications, namely giving a combination of herbal extracts 0 mg (D0), 10 mg (D1), 20 mg (D2), 40 mg (D3), 80 (D4) mg, 100 mg (D5) and the comparison are used herbal extract I (consist of BSE: 33 mg; PSE: 2 mg; GE: 65 mg) as much as 100 mg (D6) and Aquaprime (R) (D7). Blood collection is carried out through the heart on the 14th day after treatment. The combination of herbal extract II had a very significant effect on oocysts excretion, but did not have a significant effect on all hematology parameters. Hence, a combination of herbal extracts can be used as an alternative to reduce the number of oocysts in rabbits coccidiosis.</p>
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