

***Use of Monk Fruit Meal (*Siraitia grosvenorii*) in Feed on Blood Profile of
Broiler Chickens***

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ABSTRACT

This study aims to determine the effect of giving monk fruit flour in feed on the blood profile of broiler chickens. This research was conducted on a people's farm located in Atirogo District, Jember Regency from November to December 2023. The research method used was a RAL complete random design (completely randomized design) with a unidirectional pattern. If there is a difference in treatment averages, continue with Duncan's Multiple Range test. The treatments in this study were P0 the control treatment (without adding monk fruit flour), P1 giving monk fruit flour in the 0.5% treatment, P2 giving monk fruit flour in the 1% treatment, P3 giving monk fruit flour in the 1.5% treatment, and P4 giving monk fruit flour in the 2% treatment. The parameters used in this study were hemoglobin levels, erythrocyte levels, hematocrit levels, Mean Cospuscular Volume (MCV) levels, Mean Cospuscular Hemoglobin (MCH) levels, Mean Cospuscular Hemoglobin concentration (MCHC) levels, leukocyte, neutrophil, lymphocyte, monocyte levels, platelets. Based on this study, the provision of monk fruit flour in rations had a significant effect ($P < 0.05$) on leukocytes with 0.5% monk fruit treatment and monocytes with 1.5% monk fruit treatment.

Keywords: *broiler chickens, monk fruit flour, immunity, blood profile.*