

**THE EFFECT OF WHITE TURMERIC (*CURCUMA ZEDOARIA*) JUICE ON THE THICKNESS OF *TUNICA MEDIA AORTA* OF CHICKEN (*GALLUS GALLUS*) WITH HIGH FAT DIET**

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**Abstract**

The aim of this study was to know the effect of white turmeric (*Curcuma zedoaria*) juice on the thickness of *aortic media* of chicken (*Gallus gallus*) with high fat diet. The design study used in this experimental was completed randomized design. Three treatments used in this study were P<sub>1</sub>, P<sub>2</sub>, P<sub>3</sub>, and control, P<sub>01</sub> and P<sub>02</sub>. Chickens were divided into five groups which were fed with high fat diet and white turmeric juice in the concentration 15% (P<sub>1</sub>), 30% (P<sub>2</sub>), and 60% (P<sub>3</sub>), and two control groups with normal feeding (P<sub>01</sub>) and high fat diet (P<sub>02</sub>). The data analysis used in this study was analysis of variance (ANOVA) with F test, and BNT test 5% if there was a differentiation. The result of this study showed that there was a differentiation on the thickness of chicken. The third treatment showed the most differentiation result.

Keyword : *Curcuma zedoaria*, High Fat, Effect.