

**THE POTENCY OF BANANA PEEL FLOUR (*Musa balbisiana*) AS THE SOURCE OF FIBER ON FEED ON THE REDUCTION OF FAT AND CHOLESTEROL LEVELS OF MALE BROILER CARCASS.**

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**ABSTRACT**

The quality of meat is important in livestock industry due to its correlation with consumer health. The problem of the broiler chickens is the excessive fat and cholesterol content in the carcass. This might be overcome by addition of fiber in their diet. The experiment was aimed to investigate the effect of banana peel flour addition in broiler diets on the reduction of fat and cholesterol content of broiler carcass. This research using 20 broilers which randomly divided into four treatments and five replicates which consisted of five male broilers for each replicate. The experimental diets contained banana peel flour at levels of 0% (P0), 5% (P1), 10% (P2), and 15% (P3). This experiment used Completely Randomized Design. The data were analyzed using Analysis of Variance (ANOVA) and any significant differences were further tested using Duncan's Multiple Range Test. The results showed that the treatment diets significantly reduced the total meat cholesterol content ( $p < 0.05$ ) and it did not affect the carcass fat ( $p > 0.05$ ).

**Keywords** : banana peel flour, fat, cholesterol, supplementation, male broiler chickens.