

**EFFECT OF ADDING STARFRUIT EXTRACT (*Averrhoa bilimbi L.*)
IN DRINKING WATER HYBRID DUCK BLOOD FAT**

Moh. Iqbalul Firdaus

Poultry Business Management Study Program
Department of Animal Husbandry

ABSTRACT

This study aims to determine the effect of adding starfruit extract (*Averrhoa bilimbi L.*) to drinking water on blood fat in hybrid ducks. This research method used a completely randomized design (CRD) with 5 repetitions for each experiment. The first factor is (0 ml/l, 5ml/l, 10ml/l, and 15ml/l) Starting at Duck on day (DOD) and harvested at 8 weeks of age. The variables observed in this study were blood fats which included Cholesterol, HDL, LDL, and Triglycerides which were then tested by Analysis of Variance (ANNOVA). The results of this study showed that administration of starfruit extract (*Averrhoa bilimbi L.*) in drinking water showed significant differences in cholesterol and HDL. However, it has no real effect on LDL and triglycerides. The conclusion of this research is that adding starfruit extract (*Averrhoa bilimbi L.*) to drinking water with a concentration of 5ml/l (P1) is the best treatment for reducing cholesterol levels in hybrid ducks, namely 142.2 mg/dl.

Keywords: *Hybrid ducks, starfruit (Averrhoa bilimbi L), blood fat*