ABSTRACT

Starter and Grower Body Weight Performance of The Back crossed of Pekin Alabio (PA) and Alabio Pekin (AP) Ducks to Their Parental Line

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Backcross is a method of selection by crossing back the progeny with one of its parent line in order to produce offspring that are similar to their parents. The purpose of this study was to evaluate the maternal effect of the live weight and feed conversion. Alabio ducks had previously crossed with Pekin ducks in Balai Penelitian Ternak Ciawi, Bogor. Twelve Alabio Alabio Pekin (AAP), 17 Alabio Pekin Alabio (APA) and 28 Pekin Alabio Pekin (PAP) had been randomly selected and evaluated. The body weight and growth curve of PAP showed the best result when compared to the others. The PAP has the smallest value of feed conversion and it indicates that PAP ducks are more efficient in converting feed into meat. The maternal effect didn’t affect the body weight of AAP, but affected the feed conversion of AAP and APA.

Keywords: ducks, backcross, maternal effect, growth