

**The Effect of Using Turmeric Flour (*Curcuma domestica*) and
Fish Oil on The Yellow Egg and White Egg Index of Quail
(*Coturnix-coturnix japonica*)**

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ABSTRACT

The purpose of this study is to know the effect of using turmeric flour and fish oil of feed formula to the yellow egg index and white egg index of quail. This research is an experimental design that uses factorial methods. Ninety-six 8 week old quails were divided into 6 groups and 4 repeat. This study was treated with different concentrations. P0 was given formula feed + 0% turmeric flour + 0% fish oil, P1 was given formula feed + 0% turmeric + fish oil 2%, P2 was given formula feed + 0% turmeric flour + 4% fish oil, P3 was given formula + 0.3% turmeric flour + 0% fish oil, P4 is given formula feed + 0.3% turmeric + 2% fish oil, P5 is given formula feed + 0.3% turmeric + 4% fish oil. Data was taken every day in the 4th week of treatment. Data taken was egg yolk height and egg yolk diameter to measure the yellow egg index. White egg height and egg white average to measure egg white index. Respectively showed that there were no significant difference ($p>0.05$) in yellow egg index an white egg index.

Keywords: turmeric flour, fish oil, yellow egg index and white egg index.