

## CULTURE PRODUCTIVITY OF *Daphnia magna* FED WITH QUAIL DROPPINGS (*Coturnix coturnix*)

<b>Title</b>	CULTURE PRODUCTIVITY OF <i>Daphnia magna</i> FED WITH QUAIL DROPPINGS ( <i>Coturnix coturnix</i> )
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<b>Accreditation</b>	4
<b>Abstract</b>	This research aimed to know the effect of quail manure on an abundance of <i>Daphnia magna</i> . The research method for <i>D. magna</i> was a Completely Randomized Design (CRD) with four settings, each repeated four times, namely the use of P0 (Control without fertilizer), P1 (Quail manure fertilize 1 g/L), P2 (Quail manure fertilize 3 g/L), P3 (Quail manure fertilize 5 g/L). <i>D. magna</i> was cultured for 15 days in a container with a volume of 3 liters. The updated parameters were abundance of <i>D. magna</i> , mortality of <i>D. magna</i> , and water quality. The results were analyzed using ANOVA analysis. The results showed that the highest abundance was in P2 (3g / L), and the lowest was in P0 (control). Water quality during the research was temperature 21-24°C, pH 7,5-8,4, DO 6,2-7,8 ppm, and ammonia 0-0,25 mg/L.
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<b>Author</b>	Dr TAUFIK BUDHI PRAMONO, S.Pi, M.Si, M.Si