EFFECT OF pH LEVELS ON THE RESULTS OF NURSING SNAIL *Pila polita*
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**Summary**
This study was conducted to evaluate the effects of different pH on the growth and survival rate of black apple snail, *Pila polita*. There were 3 treatments and 3 replicates in each treatment as follow pH=6 (pH6), pH=7 (pH7) and pH=8 (pH8). Newly hatched snails (initial weight and shell height were 0.05 g and 4.94 mm) were reared in the plastic tanks (80×40 cm, water column of 30 cm) at the density of 50 ind/tank. After 40 days of culture period, the survival rate of snails in pH8 (76.7%) was higher than in pH7 (48.0%) or pH6 (34.7%) and there was significant difference (p<0.05). Rearing at pH8, snails reached highest (p<0.05) body weight and shell height (1.59 g and 15.60 mm, respectively) compared to pH7 (0.61 g and 11.97 mm) and pH6 (0.13 g and 7.05 mm). Snails in pH8 obtained the highest yield and biomass increase (102 g/m², 861%), it was significant difference (p<0.05) from pH7 (29.5 g/m², 157%) or pH6 (4.7 g/m², 11.4%). The results from this study will provide useful information for environmental management to achieve high efficiency in the nursing *Pila polita*.

**Keywords**: Black apple snail, growth, *Pila polita*, pH, survival rate.