

## ABSTRACT

The alternative bait, which is chicken innards is just a byproduct of the chicken industry and is considered as a low-cost product that can also serve as mangrove crab bait. This study was conducted in Barangay, Bonga, Panay, Capiz from April 9 to May 9, 2023 to determine the effects of chicken innards as alternative bait in crab pot fishery. Treatments used in the study included five (5) treatments and five (5) replications at ten (10) fishing trials were conducted. Carapace length and width were measured in centimeters (cm) while weight was measured in grams (g). Relative Frequency of Occurrence and Abundance were both measured in percentage (%). One-way Analysis of Variance (ANOVA) showed that there is no significant difference on either carapace width ( $p = 0.836$ ) and carapace length ( $p = 0.906$ ) between treatments. In addition, there is no observed significance in terms of weight (ANOVA,  $p = 0.348$ ). Furthermore, results showed no significant differences (Chi-Square Test,  $p = 0.278$ ) among the treatments in terms of sex of *S. serrata*. Lastly, results of One-Way ANOVA showed that there is no significant differences among treatments in terms of relative abundance ( $p = 0.050$ ) and frequency of occurrence ( $p = 0.224$ ). In terms of cost, baits made with 100 % chicken innards cost less than baits made with 100 % trash fish, thus, the former is recommended as bait on crab pots due to its lesser cost but on par performance with the latter.