

## UTILIZATION OF MOSQUITO NET WITH BATTERY OPERATED MULTIPURPOSE GADGETS

**DR. ERWIN R. ARAGOZA**  
ORCID No.000-0003-2815-3335  
aragozaerwin@gmail.com  
Schools Division Office of Rizal  
Vicente Madrigal National High School

### ABSTRACT

This study aims to utilize and determine the level of satisfaction of the Mosquito Net with Battery Operated Multipurpose Gadgets as perceived by the respondents. To assess the difference of the product on the performance, versatility and safety, it was compared to a commercial product. Based on the gathered data, the finished output obtained the weighted means of 4.47 performance, 4.57 for versatility, and 4.27 for safety with 2.010 as the % level of significance and with 58 as the degrees of freedom. The computed T-values were 2.481, 6.125, and 2.579 respectively, since the T-values of performance, versatility and safety is greater than the tabular value which is 2.010 the  $H_0$  is rejected and the  $H_a$  is accepted therefore there is a significant difference between the level of satisfaction in terms of performance, versatility and safety. Based on the findings below, the following conclusions were drawn: 1. There is a significant difference between the level of satisfaction in Mosquito Net with Battery Operated Multipurpose Gadgets and the commercial product in terms of performance, versatility, and safety evaluation. This study employed the experimental research, which utilized the trial and error method to determine the possibility of revising the commercial mosquito net with additional features. This is done with the aid of 30 parents as respondents with their babies for the experimental product, and 30 parents as respondents with their babies for the commercial product using the observation checklist. Lastly, the researcher made use of the independent t-test or uncorrelated mean in the computation of the gathered data.

*Keywords:* Science and Technology, Utilization of Mosquito Net with Battery Operated Multipurpose Gadgets, experimental method, Philippines