ABSTRACT

This developmental research primarily aimed to determine the acceptability and efficiency of UPS (Uninterruptible Power Supply) which was designed and developed for providing emergency power to load consuming devices or appliances. To gather the needed data, two sets of questionnaires were used: the first is the evaluation sheet for the design, composition and performance of the UPS and the second is the evaluation sheet constructed purposely to determine the number of time used to supply the units as the UPS in fully charged by using different kind of devices or appliances. The respondents were experts in the field of electrical technology and electrical students of CAPSU Sigma. In scoring the variables, a 5 point Likert scale rating was used. The statistical tool utilized in the analyst of data were the frequency count and mean. Findings of the study revealed that the UPS is “very acceptable”. Also, it was found out that the UPS can supply appliances and other devices with an output of 220 volts.