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## AQUASOLECTRIC LIGHT: DEVISING AN ALTERNATIVE MULTIFUNCTIONAL POST LIGHT

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### ABSTRACT

The research study determines how efficient and cost-effective an AquaSolectric Light or devising an alternative multifunctional post light is through conducting close-ended questionnaires disseminated to selected thirty (30) respondents from Putol Tuy, Batangas. This aims to state potential challenges that may researchers deal with while ensuring AquaSolectric Light's cost-effectiveness. In addition, it also unveils the intervention plan can be proposed for the improvement of the product quality or the AquaSolectric Light and there's significant relationship between the efficiency of devising an alternative multifunctional post light and its materials used cost-effectiveness.

The researchers utilized a quantitative research approach, that pervades surveys to figure out the quality, cost-effectiveness and efficiency of the AquaSolectric Light. They also used it to demonstrate the numerical data and its interpretation.

The perpetration of the study results to positive impact of an AquaSolectric Light in terms of the energy efficiency, cost-effectiveness and environmental sustainability itself, it also has cost-effective materials used to maintain the durability, longevity and towards environment. This research discerns the potential challenges that may be faced in

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AquaSolectric Light's cost-effectiveness. Nevertheless, these are feasible to overcome with resourceful and appropriate intervention plan.

The researchers conclude that an AquaSolectric Light carries responsibilities towards environment, its quality, efficiency and cost-effectiveness to be constructed and erected at particular place. The study conducted recommends further improvement of the product including stability and addition of features to be more accessible and easy to use.



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