Statement of the Problem **(Revised)**

This study aims to determine the effectiveness of ultra violet lights in disinfecting using an automatic disinfection box.

Specifically, the study sought to find the answers to the following questions:

1. What is the significant difference between ultraviolet-based disinfectant and alcohol-based disinfectant in terms of their effectiveness? **(t test)**

2. What is the significant effect of ultraviolet intensity to be use in terms of its effectiveness? **(One sample t -test)**

3. What is the significant difference among the different duration in terms of its effectiveness? **(anova)**

1. 10 sec
2. 20 sec
3. 30 sec

4. How does the automatic disinfection box be described in terms of: **(descriptive only, weighted mean only of result)**

a) Satisfaction

b) value for money

**Satisfaction**

1. On a scale of 1 to 5, how satisfied were you with using the device?
2. Very dissatisfied.
3. Somewhat dissatisfied.
4. Neither satisfied nor dissatisfied.
5. Somewhat satisfied.
6. Very satisfied.

**Low cost**

1. On a scale of 1 to 5, do you think this device is good value for money?
2. I do not think this device is good value for money at all.
3. I think this device is slightly good value for money.
4. I think this device is moderately good value for money.
5. I think this device is very good value for money.
6. I think this device is extremely good value for money.
7. On a scale of 1 to 5, how reasonably priced do you think this device is compared to another similar device?
8. This device is not a reasonably price at all.
9. This device is a slightly reasonable price.
10. This device is a moderately reasonable price.
11. This device is a very reasonably price.
12. This device is an extremely reasonably price.
13. How well does this device meet your needs?
14. It did not meet my needs at all.
15. It met very few of my needs.
16. It met some of my needs.
17. It met the majority of my needs.
18. It met all of my needs.