

Scientific Conclusion

My hypothesis: If I water my indoor plants with collected rainwater then my plants will have a better growth.

Yes my conclusion supported my hypothesis.

My indoor plants that were given rainwater as an independent variable had better growth compared to the plants that were given the tap water. They were used as a control group.

The experiment lasted for 8 weeks, the plants were measured after 2 weeks to see the growth.

The plant's growth, which was the dependent variable, after the first two weeks was $\frac{1}{2}$ inch compared to the plants in the control group. These plants had growth of $\frac{1}{4}$ inch after the first two weeks. After eight weeks of experiment with the rainwater, the plant given the rainwater growth was almost 2 inches. On the other hand, the tap water plant had growth of $\frac{1}{2}$ inch. From this outcome, it can be concluded that the hypothesis was supported. Although the conclusion supported the hypotheses, there are few things that could have been the unexpected variables, as on few sunny days the plants may have gotten extra sun, resulting in the plant's growth.

Commented [1]: Your hypothesis will be accepted or rejected as determined by your experiment.