

# The Use of Vunja Genge Tree {Cedrela Odorata}

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## Abstract:

In Tanzania the Vunja Genge trees are mostly found in highland fertile region with adequate amount of Rainfall. Its common behavior is to produce a bad smell especially during the night when its in the stage of producing flowers. Around our school there are several trees which excite us to research the use of its Juice extracted from its fruits or leaves.

The extracted juice from the leaves and fruits were applied on sample of Ten pit latrines that shows a wonderful success of removing the flies and irritating smell after thirty minutes.



## Method:

In this project we preferred to **use experiment and observation methods** as a tools of obtaining information/data required in our project.

In an experiment the sample of Ten public Pit latrines was used.

Also the following apparatus was use during the preparation of **juice**.

Pure water

250 cm<sup>3</sup> Beaker

150 cm<sup>3</sup> measuring cylinder

Mortar and pestle

Stop watch

Separating funnel

Vunja Genge leaves and fruits

## Preparation of solution

**Steps 1:** Collect the reasonable amount of fruits and leaves from Vunja Genge tree

Make a solution from cedrela odorata fruits by

Grinding the collected fruits in the mortar and pestle and then

The mix the grinded product with pure clean water

Separate the solution using separating funnel

Measure the separated solution in the beaker of 250ml.



## Results:

After 30 minutes Pit A-C no flies was found at all, Pit D\_F very few number of flies was remained and unsprayed Pits G\_I the present number of flies was still present around.

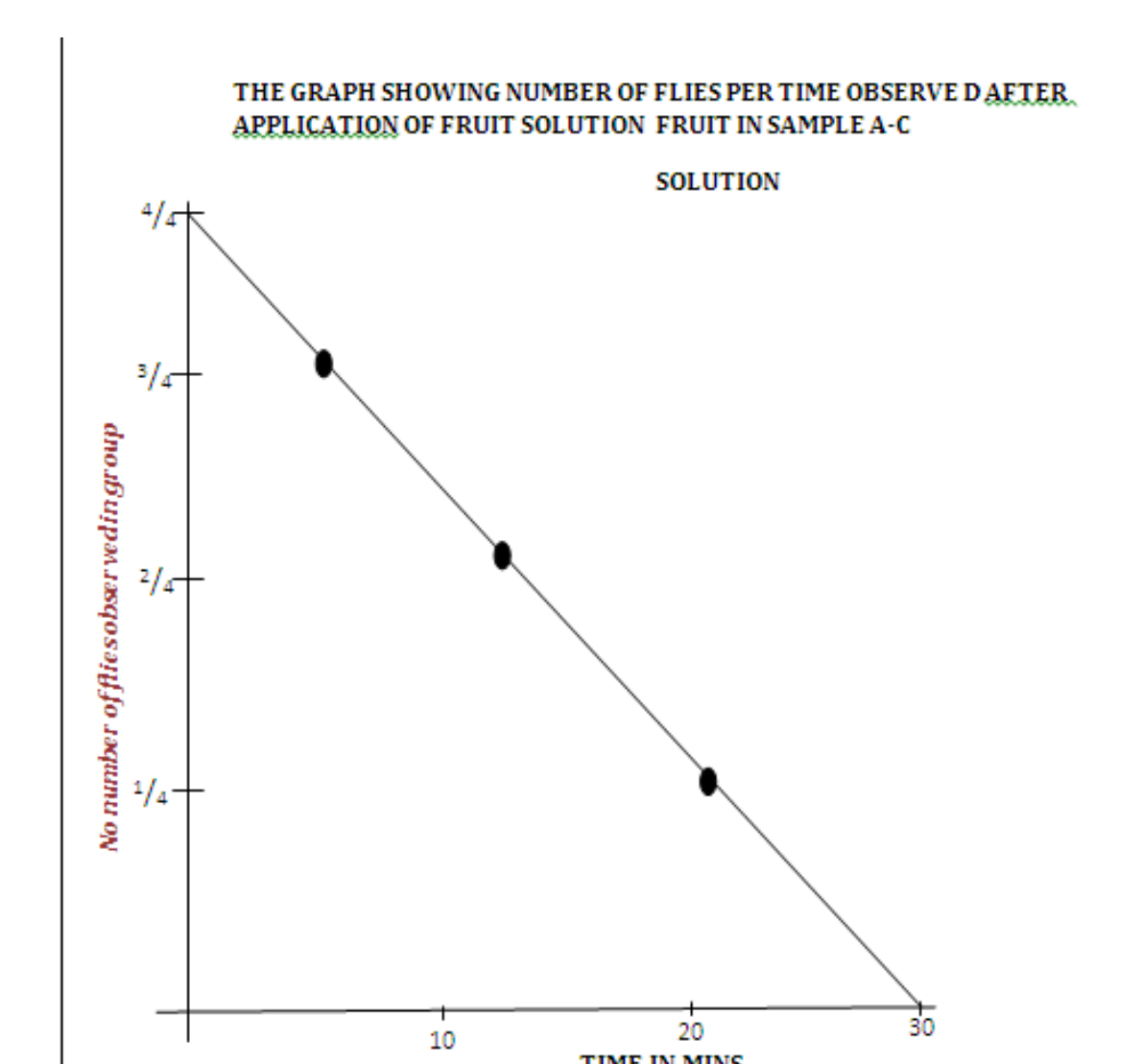
From the graph the Researcher observed that the application of juice extracted from Vunja Genge fruits was more effectives on removal of flies from Pit latrines compared to juice made from leaves. Also after 1 hour the tested pits has no bad smell.

Laboratory Test of the extracted juice reveals that, the solution contain **AROMATIC MATERIAL** which was naturally an insect Repellant.

Latrine	TIME in mins	Observation
A Sprayed with fruit solution	10	Few flies leaves
B	20	Half of them disappear
C	30	All of them disappeared
D sprayed with leaves solution	10	They are all present
E	20	Few of them leaves
F	30	Three quarter of them disappeared very few remained
None sprayed any solution		
G	10	The group remained
H	20	Original members was present
I	30	Original members was present

## Conclusion:

The solution of fruits extracted from Vunja Genge was more effective to prevent Flies from Pit Latrines compared to the solution prepared from its leaves. Thus it is suggested by the researcher to use fruits solution on prevention of Flies and bad smell on public Pits.



## References:

Oxford advanced learners dictionary for definition of some words.

Internet <https://www.en.wikipedia.org>.

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