



اَوْنُوْرَسِيْتِي تِيْكْنُوْلُوْجِي مَبَارَا
UNIVERSITI
TEKNOLOGI
MARA



**FACULTY OF PLANTATION & AGROTECHNOLOGY
DIPLOMA IN PLANTING INDUSTRY MANAGEMENT**

(AGR 232)

LAB PRACTICAL: 2(CUTTING)

PREPARED BY: ENTIRENGA ANAK GAWAN

PREPARED FOR: SIR MOHD SYUKRIE BIN HJ.ABU TALIB

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INTRODUCTION:

Cutting propagation is growing a plant from a stem or root that has been cut from another plant. Propagation by stem cuttings is the most commonly used method to propagate many woody ornamental plants. Stem cuttings of many favorite shrubs are quite easy to root. Softwood cuttings are prepared from soft, succulent, new growth of woody plants, just as it begins to harden (mature). Shoots are suitable for making softwood cuttings when they can be snapped easily when bent and when they still have a gradation of leaf size. A cutting consisting of a leaf instead of a shoot commonly used in propagating a plant.

OBJECTIVE:

- I. Discuss and identify the various methods of stem cutting propagation.
- II. Describe the various types of growing media used cutting propagation.

MATERIAL:

Secateurs, rooting hormone (IBA), polybag



PROCEDURE FOR SOFTWOOD CUTTING:

1. Cut stems just below a bud.



2. The stems were cleaned used sharp knife.

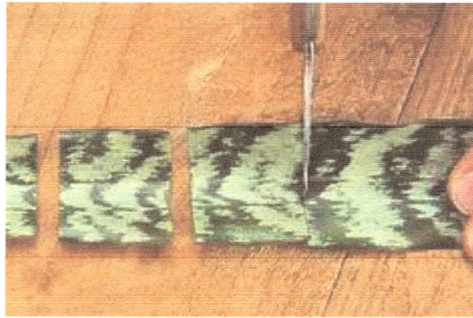


3. Removed the lower leaf but leave the top two or three

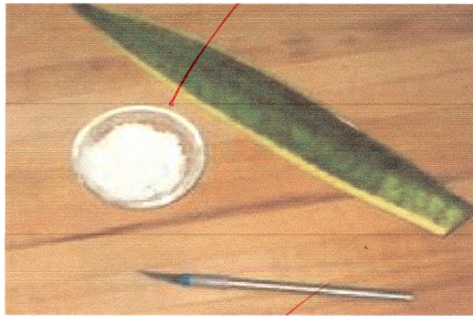


PROCEDURE FOR LEAVES CUTTING:

- 1) The leaf was cutting used secateurs



- 2) After that, dip the cutting in the rooting hormone



- 3) The cutting was planted in the polybag



ADVANTAGES:

- i. It can be easily propagated using cuttings.
- ii. Stem cuttings of many favorite shrubs are quite easy to root.
- iii. Higher successful rate.

RESULT:



The leaf cutting same with parent

DISCUSSION:

From the result, stem and leaf cutting was success done. It easily to done because cutting propagation was simple and did not have many materials used for cutting.

CONCLUSION:

In conclusion, we have learned how making the cutting propagation. It is simple and can be easily applied without having to learn the special techniques in grafting or budding.