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PHYTOMEDICINE FOR *Propithecus coquereli*

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PLAN

- INTRODUCTION
- METHODS
- RESULTS
- CONCLUSION

INTRODUCTION

ANJAVY FOREST



ALIMENTATION

Lemurs (Sifaka)

Propithecus coquereli



MÉDICATION

Local people

Traditional healers

55% OF 47 PLANT SAMPLES consumed by *P. coquereli* are used for medicinal purposes by local healers and people

INTRODUCTION

Little is known about the potential medicinal aspects of these plants and its benefit effect on animal's health.

Research question: Do those human medicinal plants have effect on *Propithecus coquereli* in captivity?

Hypothesis: The bioactive compounds of those plants have the same therapeutic activities on human and *P. coquereli*.

Objective: Determine therapeutic activities of plants on *P. coquereli*.

METHOD

Collect plants from the field

Bioactive compounds extraction

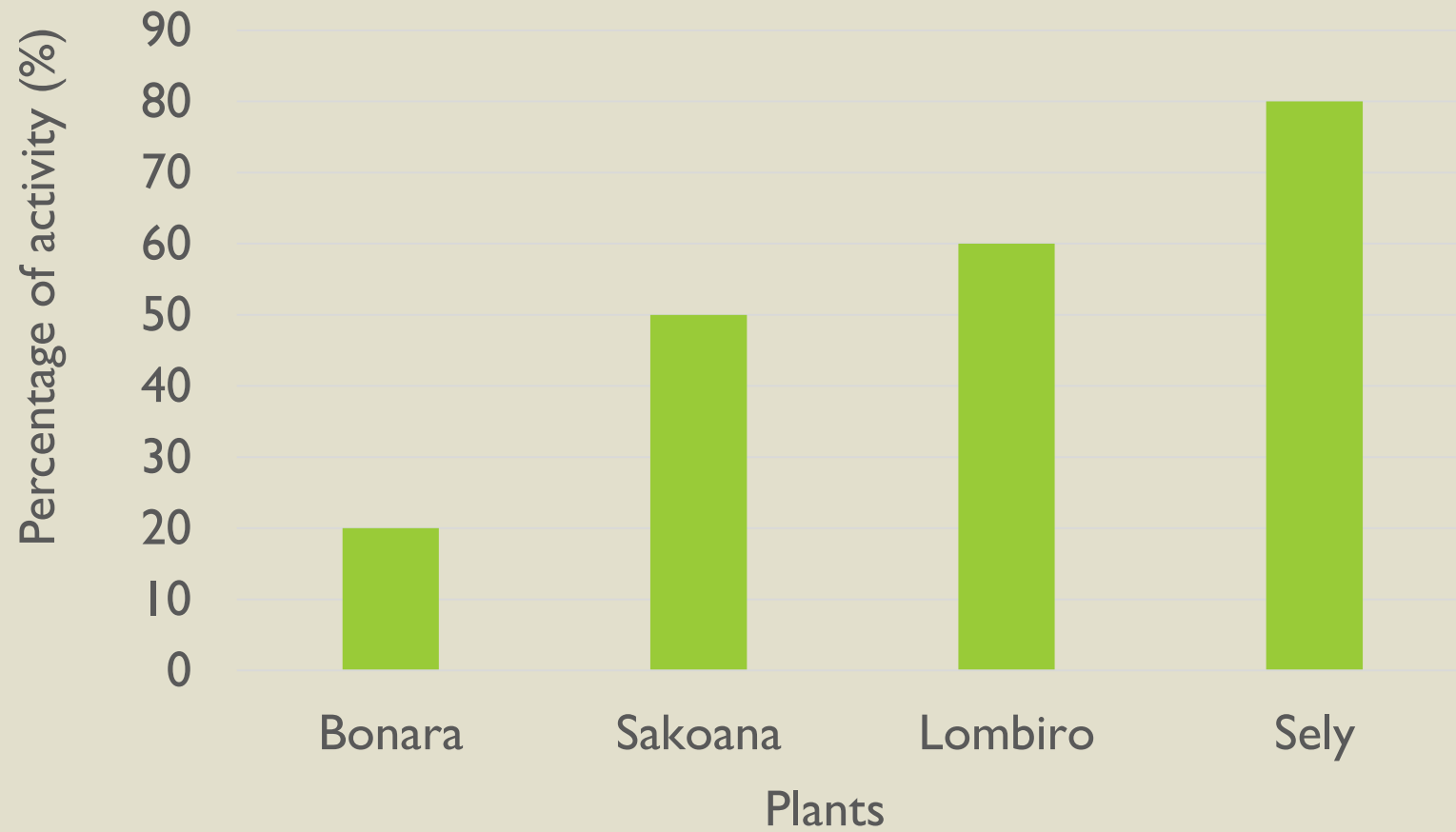
Transformation

Experimentation

RESULT

- list of secondary compounds for each plant part and their main therapeutic activities
- effect of the consummation of these plants may have on *P. coquereli*'s health will be obtained

ANTIPARASITIC ACTIVITY OF PLANTS



CONCLUSION

Research has implications for **flora and fauna conservation in Madagascar**, in addition to **potential welfare of captive sifaka**, and the search for **bioactive compounds in anthropogenic medicines**.



THANK YOU ...