

Conservation of Dragon's Blood Palm (*Daemonorops* spp.) In Harapan Rainforest, Jambi



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INTRODUCTION

Dragon's Blood Palm
(*Daemonorops* spp.)

12 sp. (resin)

Rotan jernang

Harapan
Rainforest
???

Source of
livelihood

Exported

Drug &
coloring

- Indigenous people (Batin 9)
- Local people in Jambi

- ✓ China
- ✓ Hongkong
- ✓ Singapore

- ✓ Stop bleeding
- ✓ Anti-microbial
- ✓ Diarrhea

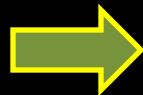
MATERIALS AND METHODS

Study area



At the Harapan Rainforest in Jambi Province & South Sumatra, Indonesia.

Methodology



- The method of this study was *purposive random sampling*.
- The calculation of sex ratio refers to *chi-squared* (x^2)

RESULT



D. draco

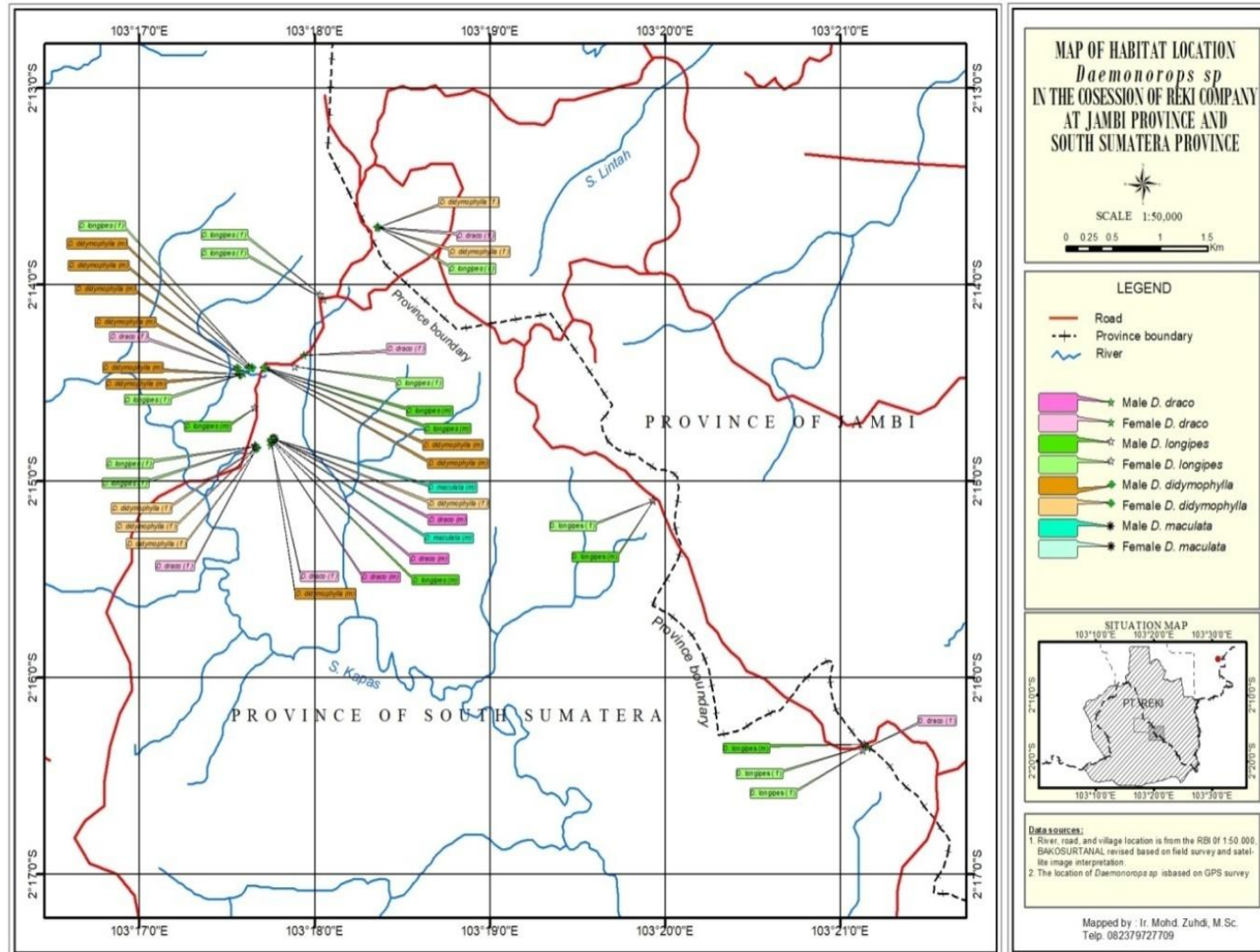


D. micracantha



D. Didymophylla

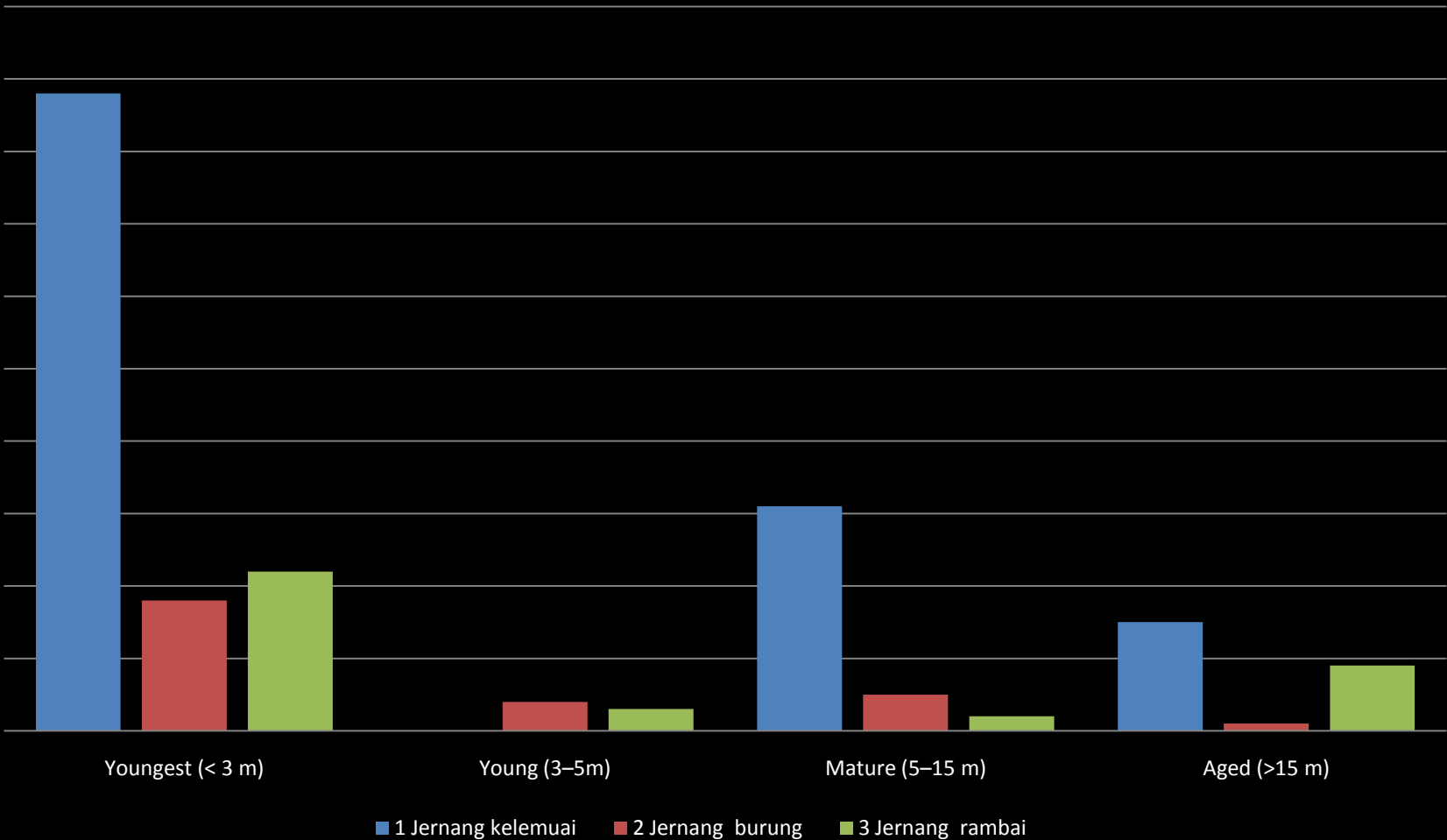
Distribution Dragon's Blood Palm in Harapan Rain Forest



Sex Ratio of Dragon's Blood Palm in Harapan Rain Forest

No	Species	Jumlah	Jumlah jantan	Jumlah Betina	Jumlah Total	Rasio Seks (male:female)
1.	D. draco	Diamati (O) Diharapkan (E) O-E ([O-E] -0,5) ([O-E] -0,5) ² ([O-E] -0,5) ² /E	6 8.5 -2.5 -3.0 9.0 1.058	11 8.5 2.5 2.0 4.0 0.470	17 17 1.528	1 : 1.84
2.	D. Didymophylla	Diamati (O) Diharapkan (E) O-E ([O-E] -0,5) ([O-E] -0,5) ² ([O-E] -0,5) ² /E	11 8.5 2.5 2.0 4.0 0.470	6 8.5 -2.5 -3.0 9.0 1.058	17 17 1.528	1.84 : 1
3.	D. Micracanta	Diamati (O) Diharapkan (E) O-E ([O-E] -0,5) ([O-E] -0,5) ² ([O-E] -0,5) ² /E	3 4.5 -1.5 -2 4 0.888	6 4.5 1.5 1 1 0.222	9 9 1.11	1 : 2

Analysis level of growth Dragon's Blood Palm



Introduction Dragon's Blood Palm in Harapan Rain Forest



D. draco and *D. didymophylla* + some cons. mycorrhiza

CONCLUSION

Based on the research results, it can be concluded:

1. There were 3 species of Dragon's Blood Palm in Harapan Rain Forest : *D.draco*, *D.dydimophylla* & *D. micracantha* .
2. Distribution of dragon's blood palm in Harapan Rainforest found in 3 location they were Bato and Hamparan Block A and Block B and Batang Kapaas.
3. Sex ratio of dragon's blood palm show 1: 1 sex ratio deviation.
4. The number of the yougest more than the others
5. Planting *Daemonorops draco* and *Daemonorops didymophylla* which has been infected with mycorrhiza has been done in Forest Education of Jambi University.