

The growth of **Gerhan** plantations : A case study of re-greening projects in Karanganyar Regency, Central Java Province, Indonesia

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Background :

2004 Gerhan success (40-70%)
 Karanganyar (91%)
 The high survival rate = forest growth?

Aim :

Examine the forest growth of 2004 Gerhan Karanganyar Regency, Central Java

Method :

Plot based tree measurement :
 Jumantono (teak)
 Matesih (mahogany)
 Tawangmangu (suryan)

Statistical analysis :

Stand density
 Mean diameter
 Mean height

VS

Model/reference based* :

Stand density
 Mean diameter
 Mean Height

The growth performance of Gerhan tree species

Result :

Gerhan tree sp	N (stem/ha)	Mean D (cm)	Mean H (m)
Tectona grandis	1,300	12.1	8.2
	1,079	10.4	13.4
Swietenia macrophylla	1,050	10.7	7.3
	1,475	10.0	11.4
Toona sureni	390	10.7	8.1
	4,444	11.2	7.2

Conclusion :

Teak and mahogany diameters 😊, heights ☹️.



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2013-08-28
