



THE LENGTH INFLUENCE OF STUMP STORAGE
P. falcataria And *S. macrophylla*
TOWARDS THE 3-MONTH GROWTH
IN THE FIELD

By:

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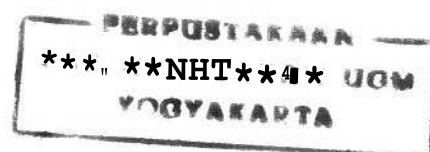
ABSTRACT

The length influence test of *Sengon* (*P. falcataria*) and Mahogany (*S. macrophylla*) stump storages began with the field observation to know and get the nature and breeding for both kind of HTI plants with the standard measurement of the uniform diameter classes between 0.5 - 1 cm. The kinds of *Sengon* came from the breeding by the farmer group of Jebangsari Village, Salaman, Magelang, while the kinds of Mahogany came from the brach natural plot 17 BKPH Candiroto, KPH Kedu Utara. The materials were divided into four groups of takings according to the treatment needs, then they were kept in the humid area. The plantation test was held duringg the storage time of 0 days in the plot 5 of Wanagama I, Gunung Kidul.

This research meant to know the length storage influence towards the *Sengon* and Mahogany stump growth, to know about the best growth based on the length storage influence. The measured parameter included : the result persen, bud height, rod diamter add, leaves dry weighth , rod dry weight, and root dry weight.

The research design use blocked-complete-random patterns (RCBD) which were divided into 3 replications, so that there were 3 blocks. Every block contained 4 plots of random structured-treatments. Every plot contained 10 treeplots. The test-plant materials consisted of 3 blocks X 4 plots X 10 treeplots = 120 stumps per kind or 240 stumps of both kinds.

The variance analysys result and the component one showed the existense influence factor of the storage length towards the growth of stumps both for the kaind of *Sengon* and that of Mahogany. The treatment of 9 days showed the best growth result on the kind of *Sengon* and Mahogany compared with 6 days, 3 days, 0 days.



PENGARUH LAMA PENYIMPANAN STUMP
P.falcataria DAN *S.macrophylla*
TERHADAP PERTUMBUHANNYA BERUMUR 3 BULAN
DI LAPANGAN

Oleh :

M a r y a n a

I N T I S A R I

Uji pengaruh lama penyimpanan stump Sengon (*P.falcataria*) dan Mahoni (*S.aacrophylla*) dimulai dengan observasi lapangan untuk mengetahui dan mendapatkan alam dan persemaian kedua jenis tanaman HTI itu dengan ukuran standar klas diameter yang seragam antara 0,5 - 1 cm. Jenis Sengon berasal dari persemaian kelompok tani Desa Jebengsari, Salaman, Magelang, sedangkan jenis Mahoni berasal dari anakan alam petak 17 BKP Candiroto, KPH Kedu Utara. Bahan tersebut dibagi dalam empat kelompok pengambilan sesuai keperluan perlakuan, kemudian disimpan pada tempat lembab. Uji penanaman dilaksanakan pada saat penyimpanan 0 hari di petak 5 Wanagama I, Gunung kidul.

Tujuan penelitian untuk mengetahui pengaruh lama penyimpanan terhadap pertumbuhan stump Sengon dan Mahoni, untuk mengetahui pertumbuhan yang terbaik berdasarkan faktor lama penyimpanan. Parameter yang diukur meliputi : persen iadi, tinggi tunas, penambahan diameter batang, berat kering daun, berat kering batang, dan berat kering akar.

Rancangan penelitian memakai pola acak lengkap berblok (RCBD) yang terbagi dalam 3 ulangan (replikasi) sehingga ada 3 blok. Setiap blok berisi 4 plot perlakuan yang tersusun secara acak. Dalam satu plot berisi 10 treeplot. Bahan tanaman uji berjumlah 3 blok x 4 plot x 10 treeplot = 120 stump perjenis atau 240 stump kedua jenis itu.

Hasil analisis varians dan kompcnen varians menunjukkan adanya pengaruh faktor lama penyimpanan terhadap pertumbuhan stump, baik jenis Sengon maupun jenis Mahoni. Perlakuan 9 hari menunjukkan hasil pertumbuhan yang terbaik pada jenis Sengon dan Mahoni dibandingkan 6 hari, 3 hari, 0 hari.

