

SEEDLING OF *PICUS DELTOIDEA* JACK.
SEEDLING FROM BENTEN NATURAL HABITAT
AND ARTIFICIAL HABITAT

NURLIYANA D. B. ZIK

FAKULTI SAINS DAN TEKNOLOGI
UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA

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PERPUSTAKAAN

KOLEJ UNIVERSITI SAINS & TEKNOLOGI MALAYSIA
21030 KUALA TERENGGANU

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COMPARISON OF *FICUS DELTOIDEA* JACK. SEEDLINGS GROWTH
BETWEEN NATURAL HABITAT AND ARTIFICIAL MEDIUM

By
Nurliyana bt Ab Razak

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FAKULTI SAINS DAN TEKNOLOGI
KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA**

**PENGAKUAN DAN PENGESAHAN LAPORAN
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Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk: **COMPARISON OF FICUS DELTOIDEA JACK. SEEDLINGS GROWTH BETWEEN NATURAL HABITAT AND ARTIFICIAL MEDIUM** oleh Nurliyana Ab. Razak no. matrik: UK 8873 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Biologi sebagai memenuhi sebahagian daripada keperluan memperoleh ijazah Sarjana Muda Sains Gunaan (Pemuliharaan dan Pengurusan Biodiversiti) Fakulti Sains dan Teknologi, Kolej Universiti Sains dan Teknologi Malaysia.

Disahkan oleh:

Penyelia Utama: **JAMIAH MOHD SALIM @ HALIM**
Nama: **Pensyarah**
Jabatan Sains Biologi
Cop Rasmi: **Fakulti Sains dan Teknologi**
Kolej Universiti Sains dan Teknologi Malaysia
(KUSTEM)
21030 Kuala Terengganu, Terengganu.

Tarikh: 14/05/06

Ketua Jabatan Sains Biologi
Nama: **PROF. MADYA DR. NAKISAH BT. MAT AMIN**
Ketua
Cop Rasmi: **Jabatan Sains Biologi**
Fakulti Sains dan Teknologi
Kolej Universiti Sains dan Teknologi Malaysia
(KUSTEM)
21030 Kuala Terengganu.

Tarikh: 21.5.06

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LIST OF ABBREVIATIONS

cm	centimetre
Kg	Kampung
N	number of samples
%	Percentage
"	Minutes
°	Degree
BRIS	Beach Ridges Interspersed with Swales

ABSTRACT

Seedlings growth of *Ficus deltoidea* Jack. in natural habitat and artificial medium was compared. Germination on BRIS soil medium was better than sand or litter medium. The result of this study has shown that the germination percentage of *F.deltoidea* in BRIS soil medium was 90%. Shoots were produced after seven days of cultivation. Mean height on BRIS soil medium was 1.93 ± 0.06 cm and 4.90 ± 0.07 mean number of leaf after ten weeks. Mean height on litter medium after ten weeks was 4.73 ± 0.07 and 4.90 ± 0.07 leaves number. The extreme light intensity on BRIS soil may limit the regeneration of *F.deltoidea* seedling outside *Rhodomyrtus tomentosa* clumps in natural habitat on BRIS soil ecosystem.

PERBANDINGAN PERTUMBUHAN ANAK BENIH *FICUS DELTIDEA* JACK. DIANTRA HABITAT SEMULAJADI DAN MEDIUM TANAH

ABSTRAK

Perbandingan pertumbuhan anak benih *Ficus deltoidea* Jack. telah dilihat diantara habitat semulajadi dan menggunakan medium tanah. Percambahan menggunakan medium tanah BRIS adalah lebih baik daripada pasir atau sarap. Hasil kajian menunjukkan peratusan percambahn *F.deltoidea* di tanah BRIS adalah 90%. Pertumbuhan pucuk mula kelihatan selepas tujuh hari dalam semaian. Purata ketinggian pokok di medium tanah BRIS ialah 1.93 ± 0.06 cm dan purata bilangan daun 4.90 ± 0.07 helai selepas sepuluh minggu. Purata tinggi pokok dalam medium sarap adalah 4.73 ± 0.07 cm dengan purata 4.90 ± 0.07 helai daun. Keamatan cahaya melampau di tanah BRIS mungkin menghadkan regenerasi anak benih *F.deltoidea* di luar kelompok *Rhodomyrtus tomentosa* di habitat semulajadi di atas ekosistem tanah BRIS.