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FAKULTI SAINS DAN TEKNOLOGI
KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA
2005

Vegetation propagation of ficus deltoidea jack. sampled from Terengganu heath vegetation / Nik Nor Elyani Nik A. Rashid.

Lihat sebelah

VEGETATIVE PROPAGATION OF *Ficus deltoidea* JACK. SAMPLED FROM TERENGGANU HEATH VEGETATION

By

Nik Nor Elyani binti Nik A. Rasid

Research Report submitted in partial fulfillment of
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Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk: VEGETATIVE PROPAGATION OF Ficus deltoidea JACK. SAMPLED FROM TERENGGANU HEATH VEGETATION

oleh NIK NOR ELYANI BT NIK A. RASID, no. matrik: uk 7046 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Biologi sebagai memenuhi sebahagian daripada keperluan memperolehi ijazah Sarjana Muda Pemuliharaan & Pengurusan Biodiversiti Fakulti Sains dan Teknologi, Kolej Universiti Sains dan Teknologi Malaysia.

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LIST OF ABBREVIATIONS

cm	centimetre
Kg	Kampung
n	number of samples
P	mean of paired samples
%	Percentage
″	Minutes
±	Plus minus
α	Level of significance
©	Copyright Reserved.
®	Registered trademark
°C	degree of Celsius
IBA	Indole-3-Butyric Acid
NAA	Alpha-Naphtalena Acetic Acid
VPD	Vapour Pressure Deficit
MNS	Malayan Nature Society
FRIM	Forest research Institute of Malaysia
BRIS	Beach Ridges Interspersed with Swales

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ABSTRACT

A study of *Ficus deltoidea* Jack. Stem cuttings was carried out for seven months. The cutting materials were collected from wildings in heath vegetation of Terengganu (Jambu Bongkok Forest Reserve, Bidung Darat and Setiu). Rootings and shoot production from cuttings were positively affected by hormone treatment compared to control (without hormone) in terms of root and shoot quantity, as well as the timing for initiation of both root and shoot. The results from this study together with their ecology would significantly contribute to conservation of this species and their natural habitat (heath vegetation), as well as to further promote its utilization (ornamental plants and traditional medicine).

PEMBIAKAN VEGETATIF *Ficus deltoidea* JACK. DARI VEGETASI HUTAN PADANG TERENGGANU

ABSTRAK

Kajian pembiakan vegetatif *Ficus deltoidea* Jack. melalui keratan batang telah dijalankan selama tujuh bulan. Sumber bahan tanaman diperolehi daripada vegetasi hutan padang di sekitar Terengganu (Hutan Simpan jambu Bongkok, Bidung Darat dan Setiu). Pengakaran dan pengeluaran pucukmasing-masing bermula selepas dua minggu. Rawatan hormon didapati mengaruh kadar pengakaran dan pengeluaran pucuk dar segi jumlah akar serta tempoh inisiasi akar dan pucuk. Maklumat daripada kajian ini serta ciri ekologi menyumbang ke arah usaha pemuliharaan spesies da habitat semulajadinya (hutan padang) serta penggunaannya (tanaman hiasan dan perubatan tradisional).