

UNIVERSITI TEKNOLOGI MARA

**EFFECT OF USING DIFFERENT RATIO
OF SOIL AND COCONUT HUSK AS A
PLANTING MEDIUM TO THE GROWTH
PERFORMANCE OF OIL PALM
SEEDLINGS**

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Final Year Project Report Submitted in Partial Fulfilment of the
Requirements for the degree of
**Bachelor of Science (Hons.) Plantation Technology and
Management**

Faculty of Plantation and Agrotechnology

JANUARY 2015

APPROVAL SHEET

This Final Years Report entitled “**Effect of Using Different Ratio of Soil and Coconut Husk As A Planting Medium To The Growth Performance of Oil Palm Seedlings**” was submitted by **Mohamad Humaidi Bin Harun**, in partial fulfilment of the requirements for the degree of bachelor of science (Hons.) Plantation Technology and management, in the faculty of Plantation and Agrotechnology, and was approved by

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CANDIDATE DECLARATION

I declare that the work in this final Year Project was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. The final year project report has not been submitted to any other academic institution or any other academic institution for any degree or qualification.

In the event that my final Year Project is found to violate the conditions mentioned above, I voluntarily waive the right of conferment of my bachelor degree and agree to be subjected to the disciplinary rules and regulations of Universiti Teknologi MARA.

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ABSTRACT

The aim of this research was to ascertain the influence of using soil and coconut husk as a planting medium on oil palm seedling growth. The research was conducted at green house and laboratory at University Teknologi Mara, Jasin Melaka from August 2014 until November 2014. This research was arranged in a Completely Randomized Design (CRD) with treatments. These treatments were (1) 100% coconut husk, (2) 100% soil, (3) 66% coconut husk + 33% soil, (4) 66% soil + 33% coconut husk, and (5) 50% coconut husk + 50% soil. The result showed that the medium of 66% soil + 33% coconut husk was the best medium for the growth of oil palm seedlings as it gave the highest for most parameters that being measured such as plant height, number of leaf, stem girth, and length of root except for the leaf area where the highest belong to treatment 100% soil.

ACKNOWLEDGEMENT

Firstly, I'm so grateful with the name of Almighty Allah and his blessing finally I'm completely finish research study. I also would like to thank to my supervisor for this research which is Madam Shampazuraini binti Samsuri for her guidance, support and also criticism which help me a lot in improving my research study.

I also would like to thank to my co-supervisor which is Sir Shahrizan which also help me a lot in providing ideas on how to analyzed the result and data of this research. I am also extremely grateful and indebted to him for his expert, sincere and valuable guidance and encouragement extended to me.

Last but not least, I would like to thank to my lovely parent, Harun Mamat and Ramlah Mohamed which always give morale support and advice to me from start until the end of this research study. They always pray for my success I wish that both of them could see me success in the future.

I greatly appreciate and thank for the help, patience, guideline, advices and support from all of them.