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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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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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 non academic institution for any degree or qualification.

In the event that my final Year Project is found to violate the conditions mention 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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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.
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