

**A REVIEW ON THE CURRENT AVAILABLE CONTROLLING METHODS OF
BASAL STEM ROT (BSR) DISEASE IN OIL PALM PLANTATION:
ADVANTAGES AND DISADVANTAGES OF THE METHODS**

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**Final Year Project Report Submitted in
Partial Fulfilment of the Requirements for the
Degree of Bachelor of Science (Hons.) Plantation Management and Technology
in the Faculty Of Plantation And Agrotechnology
Universiti Teknologi MARA**


JULY 2016

DECLARATION

This final year project is a partial fulfillment of the requirements for a degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

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ACKNOWLEDGEMENTS

Bismillahirrahmanirrahim,

Firstly, Alhamdulillah, thanks to Allah SWT because have give me the strength and healthinees to let me to complete my report for Final Year Project for my Degree of Bachelor of Science (Hons.) Technology Plantation and Management. I would say thanks to my supervisor, Dr Zaiton Bt Sapak because has giving me so much assistant, knowledge and idea in completing my Final Year Project. I am grateful for the guidance from Dr Zaiton who has give me motivation and valuable information to accomplish my project. Apart from that, I would like to appreciate my parents who has give me their support in terms of financial and motivation throughout completing this project. Last but not least, I would like to say thanks to my friends which has give me some knowledge and indirectly involved in my project.

SAKINAH BINTI MOHD ZABLI

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ABSTRACT

A REVIEW ON THE CURRENT AVAILABLE CONTROLLING METHODS OF BASAL STEM ROT (BSR) DISEASE IN OIL PALM PLANTATION : ADVANTAGES AND DISADVANTAGES OF THE METHODS

This review paper aims to discuss about the current available methods for controlling basal stem rot (BSR) disease with their advantages and disadvantages of each control method for BSR. BSR disease which caused by *Ganoderma boninense* sp. has been widely known as the threat disease in oil palm plantation that caused significant losses in oil palm industry. Thus, many controlling methods have been applied to manage and reduce the disease infection of the pathogen. Cultural, chemical, biological methods and other early detection technologies have been practiced and studied to cure this disease. However, to date there is no available methods yet to totally cure this disease because the symptoms only appear at late stage of the disease. Each of the available controlling methods has advantages to help in controlling the outbreak and infection of the disease. Nevertheless, there is a limitation in the control methods that should be considered before using the methods. This review paper consists of four main focused topics which are cultural, chemical, biological controls and other technologies that are available in controlling BSR disease.

Key words: cultural control, chemical control, biological control, advantages, disadvantages, *Ganoderma boninense* sp., Basal stem rot disease.