

**LEVEL OF KNOWLEDGE TOWARD ORGANIC RICE OF FARMERS  
IN KELANTAN**

**NURUL IMANINA BINTI KAMAL BAHRI**

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

**JULY 2016**

## DECLARATION

This Final Year Project is a partial fulfilment of the requirements for a degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

It is entirely my own work and has not been submitted to any other University or higher education institution, or for any other academic award in this University. Where use has been made of the work of other people it has been fully acknowledged and fully referenced.

I hereby assign all and every rights in the copyright to this Work to the Universiti Teknologi MARA (“UiTM”), which henceforth shall be the owner of copyright in this Work and that, any reproduction or use in any form or by any means whatsoever is prohibited without a written consent of UiTM.

Candidate’s signature : ..... Date: .....

Name: .....Nurul Imanina bt Kamal Bahri.....

I hereby declare that I have checked this project and in my opinion, this project is adequate in terms of scope and quality for the award of the degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

Signature: .....

Name of Supervisor: .....Dr. Nor Azma Yusof.....

Position: .....

Date: .....

## **ACKNOWLEDGEMENT**

Alhamdulillah, thank to Allah SWT because of His Blessing and Mercy for giving me good health and idea until I finish my final year project entitled Level Of Knowledge Toward Organic Rice Of Farmers In Kelantan as a requirements for the Degree of Bachelor of Science (hons.) Technology and Plantation Management in the Faculty of Plantation and Agrotechnology Universiti Teknologi Mara.

Millions of appreciation to those who help me in accomplish my final year project directly or indirectly. First of all, I would like to thank to Dr Nor Azma Yusof as my supervisor, Madam Nur Aziera, Miss Diana and Miss Wajihah for giving me advice and guidance through the research progress and written the full final year project report.

I would also like to appreciate Madam Salwati bt Arifin as the person in charge consult the organic rice farmers for the positive attitude she showed for my work, introduced me to the farmers and assistance me during the survey progress. Thanks also to farmers that willing to answer the questionnaire.

NURUL IMANINA BINTI KAMAL BAHRI

## TABLE OF CONTENTS

	<b>PAGE</b>
<b>ACKNOWLEDGEMENT</b>	<b>iii</b>
<b>TABLE OF CONTENTS</b>	<b>iv</b>
<b>LIST OF FIGURES</b>	<b>vii</b>
<b>LIST OF ABBREVIATION</b>	<b>ix</b>
<b>ABSTRACT</b>	<b>x</b>
<b>ABSTRAK</b>	<b>xi</b>
<b>CHAPTER</b>	
<b>1. INTRODUCTION</b>	
1.1 Background	1
1.1.1 System of Rice Intensification (SRI) Technique	2
1.1.2 Organic Farming in Asia	2
1.1.3 Organic Rice Farming in Malaysia	3
1.2 Problem Statement	5
1.3 Significance of Study	5
1.4 Objectives of Study	6
1.5 Limitation of Study	6

## **ABSTRACT**

### **LEVEL OF KNOWLEDGE TOWARD ORGANIC RICE OF FARMERS IN KELANTAN**

Agriculture is one of the major contributors to the pollution to Earth from planting until processing. Although the pollution cannot be fully eliminated but the effort to minimize it is a good approach. The goal in agriculture now and for the future is to achieve sustainable agriculture as a result from the imbalance ecosystem and environment. Sustainability in agriculture refers to farmer's being a commercially good competitor in the rapid fluctuating environment to maintain sustainable yield while preserving natural environment, promoting social development and creating economic opportunities (Ismail, 2006 as cited by Othman & Muhammad, 2012). Therefore, organic rice farming is a solution for preserving the environment due to the zero usage of artificial chemicals. The survey involved 10 farmers that had implemented the organic rice cultivation in Kelantan. Data were collected through the distribution questionnaire to the farmers. The findings of this survey are the level of their knowledge about the benefit of organic rice cultivation and to identify willingness of farmers to cultivate organic rice based on their knowledge.

Keywords: Knowledge; Organic rice; Farmers