

**FARMER'S SATISFACTION ON MECHANIZED RICE TRANPLANTER A  
CASE STUDY IN KAMPUNG SG LEMAN, SEKINCHAN SABAK BERNAM**

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## **ABSTRACT**

### **FARMER'S SATISFACTION ON MECHANIZED RICE TRANPLANTER A CASE STUDY IN KAMPUNG SG LEMAN, SEKINCHAN SABAK BERNAM**

The rice transplanter machine is designed planting seedlings into the paddy fields. Transplanter machine can reduce the labour force and reduce the time of planting seedlings. By using transplanter it can help streamline of rice seedling growth and yield, uniform the row of planting seed. In addition, the seedlings are planted with transplanter machine growth in a nursery first. This study aims to determine the level of satisfaction of farmers to plant rice transplanter. Therefore, a study was conducted in 80 by farmers in Kampung Sungai Leman, Sekinchan, Sabak Bernam. The results of the factor analysis revealed two factors was selected from farmers. from the six factors, which is the quality of the seedlings and size of transplanter. Another four factors such as soil density, price engines, engine efficiency and operation were less concerned with farmer's satisfaction when using the transplant.

# CHAPTER 1

## INTRODUCTION

### 1.1 Background of Study

Rice is a central of lives of billions of people around the world. Rice the oldest domesticated grain and is the staple food for 2.5 billion people and growing rice is largest single use of land for producing food that covering about nine percent (9%) of the earth's land. Rice production of the world about 90 percent in Asia. Rice is a cereal that is rich in nutrient and complex carbohydrates, both very necessary to the human diet. Rice can be grown in wetland condition (Cavallaro *et.al*, 2014). 85 percent of the rice that is produced in the world is used for direct human consumption. Rice can also be found in cereals, snack foods, brewed beverages, flour, oil, syrup and religious ceremonies.

The top rice producing countries in Asia are China, India, Japan, Bangladesh, Indonesia, Thailand and Myanmar. The researcher advises that although many of the nations have already established best method for rice cultivation, technology innovation is important role in farming system of rice (Cavallaro *et.al*, 2014). The process cultivation of rice is carried out in various parts of the world with differences technique. China the top ranks of the leading countries for rice production (Yuan, 1994). In Malaysia, Kedah the largest rice cultivation compare with other states in Malaysia. More than half agriculture land in Kedah for the rice cultivation.