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# SUSTAINABLE PADDY CULTIVATION TECHNIQUE: SYSTEM OF RICE INTENSIFICATION FOR HIGH PRODUCTION AND PROFIT

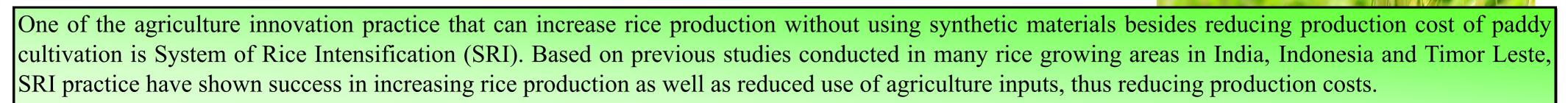


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### INTRODUCTION



## PURPOSE OF STUDY

To identify differences in paddy production and cost production between SRI practice and conventional practice.

## METHODOLOGY

#### **Data Collection using Questionnaire**

- N = 282, where 264 are rice farmers practicing conventional paddy cultivation technique under Paddy Estate Project, MADA and 18 farmers practicing SRI technique in Peninsular Malaysia which covers the state of Kedah, Selangor, Johor and Kelantan.
- This study only focus on rice production data, production costs and profits for farmers harvesting rice in the main season paddy cultivation in 2013.

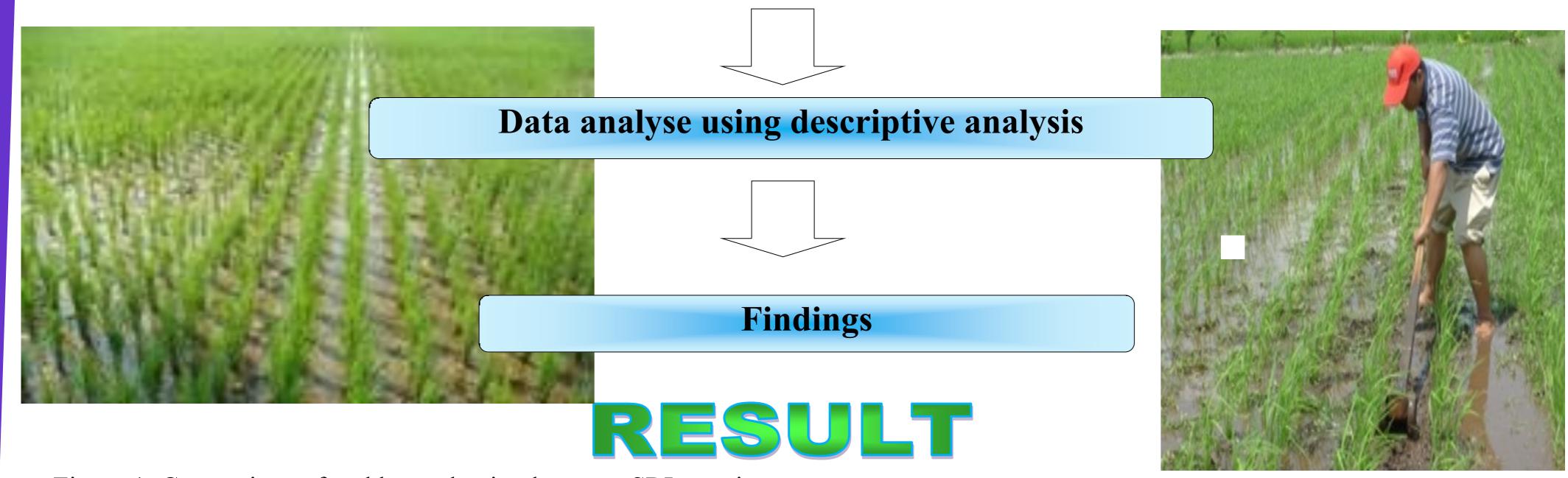


Figure 1: Comparison of paddy production between SRI practice and conventional practice under Paddy Estate Project, MADA

Paddy Production (tan/ha)

8
7
6.2
1
0
SRI Practice
Types of Paddy Cultivation Technique

Table 2: Profit comparison between SRI practice and conventional practice under Paddy Estate Project, MADA

Items	SRI practice	Conventional practice
Yield (ton/ha)	6.20	5.0
Deduction (22%)	4.8	3.9
Sales of revenue (RM) (1 ton = RM1200)	5,760.00	4,860.00
Price support subsidy (RM) (1 ton = RM248.10)	1,190.88	967.59
Production cost (RM/ha)	1,371.10	1,804.76
Profit (RM) = (Sales of revenue + Price support subsidy) – (Production cost)	5,579.78	4,022.83

Table 1: Comparison of production cost between SRI practice and conventional practice under Paddy Estate Project, MADA

Item	SRI practice (RM)	Conventional practice (RM)	Difference (%)
Post harvest cost	88.20	20.06	68.14
Soil preparation cost	681.00	496.49	184.51
Seedling cost	215.40	292.47	77.07
Plant care cost	349.90	494.77	144.87
Harvesting cost	36.60	500.97	464.37
Total cost	1,371.10	1,804.76	433.66

# CONCLUSION

The results of this study concluded that farmers who are practicing SRI will get better economic benefits in terms of lower cost of production

#### **ACKNOWLEDGEMENT**

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