

**UNIVERSITI TEKNOLOGI MARA**

**EVALUATION OF RELATIONSHIP BETWEEN  
PADDY PRODUCTION BETWEEN RAINFALL  
AND WEATHER IN ARAU, PERLIS WITHIN  
YEAR 2017 AND 2018**

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requirement for the degree of  
**Bachelor of Science**  
**(Surveying Science and Geomatics)**

**Faculty of Architecture Planning and Surveying**

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## AUTHOR'S DECLARATION

I declare that the work in this report 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 a referenced work. This report has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and regulations for Post graduate, Universiti Teknologi MARA, regulating the conduct of my study.

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## **ABSTRACT**

Paddy yield and productivity can be affected by various factors. Soil fertility is one of the factors that are now believe as one of reason for yield fluctuation associated with proper water management and supply at every stage of the plant's growth. As such, rice cultivation is very important for countries with moderate to low income. The aim of this study is to show investigate relationship between rainfall and weather on paddy production in Arau, Perlis. To achieve the aim, the objectives of this study are to identify the paddy production for year 2017 and 2018. Secondly is to examine the relationship of paddy production between rainfall and weather. The study area is carried out at Arau, Perlis, Malaysia. All related data obtained from related government agencies including Meteorology department and (MADA) Authority. This study can help farmers improve agricultural productivity and also save cost and time. For this study it was also found that weather and temperature do not much affect rice production in Arau because rice production is not only influenced by the two factors only but there are many other factors such as drainage, soil type and seed type used are also more factors affect the yield of rice production. The final result for this study also shown the weather and rainfall is not much effect paddy production in Arau for 2017 and 2018.

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