FIELD RAT (*Rattus argentiventer*) POPULATION BETWEEN NEAR WOODED AREA AND FREE SPACE AREA IN PADDY FIELD AT KAMPUNG BELUKAR, KODIANG, KEDAH DARUL AMAN.

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Final Year Project Report Submitted in Partial Fulfilment of the Requirement for the Bachelor of Science (Hons). Technology and Plantation Management in the Faculty of Plantation and Agrotechnology

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.

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ABSTRACT

Field Rat (Rattus Argentiventer) Population Between Near Wooded Area And Free

Space Area At Paddy Field At Kampung Belukar, Kodiang, Kedah Darul Aman.

Rattus argentiventer from Muridae family is the common pest that attack the paddy

field. This study are investigated about the field rat (Rattus argentiventer) population

between near woody area and free space area in paddy field. It was conducted at

Kampung Belukar, Kodiang, Kedah. This research was carried out by using Complete

Randomized Design (CRD) for 5 weeks with 2 times of collection per week. The result

from the research show that the population of *Rattus argentiventer* are high in paddy

field near wooded area compared to free space area. Supported by SPSS analysis

result, the data was not normally distributed (P < 0.05) while the Kruskal-Wallis Test

result showed that the Rattus argentiventer was not significant ($\chi^2 = 9.232$; df =9; P >

0.05). Supported by t-test result, the data is no significant difference between near the

wooded area and free space area at paddy field.

Keyword: Rattus argentiventer, near the wooded area and free space area.

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