

**CONTROL EFFICACY OF SELECTED INSECTICIDE
(CONFIDOR 200SL-IMIDACLOPRID AND BENEVIA- CYANTRANILIPROLE) ON
WHITEFLY *Bemisia tabaci* IN CHILLI CROPS.**

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**Final Year Project Report Submitted in
Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science (Hons) Plantation and Agrotechnology
In the Faculty of Plantation and Agrotechnology
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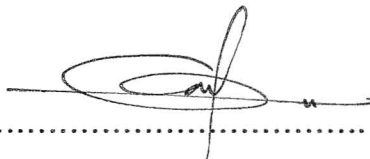
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I hereby declare that I have checked this project and in my opinion, this project is adequate in terms of scope and quality for the award of the degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

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ABSTRACT

CONTROL EFFICACY OF SELECTED INSECTICIDE (CONFIDOR 200SL- IMIDACLOPRID AND BENEVIA- CYANTRANILIPROLE) ON WHITEFLY *Bemisia tabaci* IN CHILLI CROPS

This study was conducted to observe the control efficacy of the pre-mix insecticide that will be applied on the chilli crops in the UiTM Jasin share farm. The purpose of this study about the pest population that seriously attacking the chilli crops which is whitefly *Bemisia tabaci*. Serious damage had been reported due to the increasing of this pest population and thus, by using this pre-mix insecticide, which is Confidor 200SL-Imidacloprid and Benevia- Cyantraniliprole in order to control the pest population and also use untreated water as biological control. This research also indicates the efficiency of the treatment that had been applied to different plots of chilli crops that had been planted. The data that has been collected in field and was analyzed in the laboratory in order to determine its species. Based on the data collected in laboratory, Randomized Complete Block Design (RCBD) was used to calculate the populations of whiteflies that has affected the chilly crops. From the calculation that was calculated, Confidor 200SL had given more effective control in controlling pest population of whiteflies rather that Benevia insecticide. It react more quickly that other pesticide and give more effective control to chilli production.