

**THE EFFECT OF EMPTY FRUIT BUNCH (EFB) FROM
Volvariella volvacea CULTIVATION ON GROWTH OF
Ipomoea reptans L. *poir***

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**Final Year Project Submitted in
Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science (Hons.) Biology
in the Faculty of Applied Sciences
Universiti Teknologi MARA**

JULY 2019

The final year project report entitled “**The Effect of Empty Fruit Bunch (EFB) From *Volvariella volvacea* Cultivation on Growth of *Ipomoea reptans* L.poir**” was submitted by Ainaa Nurliyana Binti Mohd Yusoff, in partial fulfillment of the requirements of the Degree of Bachelor of Science (Hons.) Biology, in the Faculty of Applied Sciences, and was approved by

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ABSTRACT

THE EFFECT OF EMPTY FRUIT BUNCH (EFB) FROM *Volvariella volvacea* CULTIVATION on GROWTH of *Ipomoea reptans L. poir*

The Empty Fruit Bunch (EFB) from mushroom cultivation is one of the spent mushroom compost (SMC) or known as a secondary waste. One way to minimize the wastage is to make the EFB from mushroom cultivation as a biofertilizer. The trial was conducted in Kuala Pilah, Negeri Sembilan starting from March to May 2019. The aims were to measure the effect of EFB from *Volvariella volvacea* cultivation on the growth of *Ipomoea reptans L. poir* and to compare the effectiveness of different ratio of EFB on the growth of *Ipomoea reptans L. poir*. The treatments were prepared in 5 different ratios: 600g EFB , 600g Soil, 500g EFB with 100g Soil, 400g EFB with 200g Soil, 300g EFB with 300g Soil and replicated 3 times. The parameters observed were plants height, number of branches, dry mass of the plants and amount of chlorophylls. EFB with ratio of 400g and above showed the increase growth of *Ipomoea reptans L. poir* in plants height, number of branches and dry mass of plants. On the other hand, *Ipomoea reptans L. poir* treated with EFB with ratio of 300g showed the highest reading of chlorophylls.