

# **The Effect of Arbuscular Mycorrhizae Fungi on growth of Seeda Tomato plants *Lycopersicon esculentum* (Mill.)**

**Boonbaramee Boonkerd<sup>1</sup> , Panatsaya Chainok<sup>1</sup> , Pimnatchaya Srithai<sup>1</sup>**

**Sittichart Sitti<sup>2</sup>**

Nongbuapittayakarn school student<sup>1</sup> , Nongbuapittayakarn school teacher<sup>2</sup>

*E-mail:npk31259@buapit.ac.th*

## **Abstact**

The objective of this study was to study the ratio of Arbuscular mycorrhiza fungi that affected the growth of Seeda tomato plants. The experimental methods were as follows: 1) prepared the different rations of Arbuscular mycorrhiza fungi; 2) sterilized soil in the hot air oven; 3) planted Seeda tomato seedlings in the baked soil compounded with the Arbuscular mycorrhiza fungi; and 4) observed the experiment. The study revealed that the appropriate ratio of fungi that best enhanced plant growth was 75 grams, with 26.60 centimeters tall, 1.15 grams of fresh weight, and 0.18 grams of dry weight of the tomato plants. And, different quantities of Arbuscular mycorrhiza fungi used in the experiment—100 grams, 25 grams, 50 grams, and 0 grams—enhanced the growth of tomato plants, respectively.

**Keywords:** Arbuscular mycorrhiza fungi, Seeda tomato plants, Growth of Seeda tomato plant