

**GROWTH OF KENIKIR PLANT (*Cosmos caudatus* Kunth.) ON THE
ADDITION OF VARIOUS ORGANIC MATERIALS AND TIME OF
ADMINISTRATION OF *Trichoderma* sp.**

By: Frida Shinta Megawati
Supervised by: Tuti Setyaningrum

ABSTRACT

Kenikir (*Cosmos caudatus* Kunth) is type of indigenous vegetable belonging the Asteraceae family with strong and distinctive leaf aroma. The use kenikir as vegetable and medicinal plant means that production safe for consumption and does not contain dangerous residues. One way that can be done is using organic materials and adding *Trichoderma* sp. This research to obtain best types animal manure fertilizer and best time to apply *Trichoderma* sp for cultivating kenikir. This research was carried out from February to April 2024 at Wedomartani Experimental Garden, Sleman, Yogyakarta. The research method uses field experiments structured in RAL with two factors. The first factor is type of organic material for cow manure, chicken manure, goat manure. The second factor is time administration *Trichoderma* sp. without giving *Trichoderma* sp, 14 days before planting, 7 days before planting. The research results showed that there was interaction between the type of organic material treatment and the time of administration *Tricoderma* sp on parameters fresh root weight and root volume. Chicken manure and *Trichoderma* sp. 7 days before planting has good influence on the parameters of plant height, amount of leaves, amount of leaves per stem, stem diameter and fresh weight of shoots.

Keyword: Kenikir, organic matter, *Tricoderma* sp.