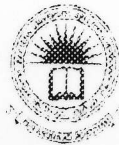


**EFFECT OF INDIGENOUS MICROORGANISM FERTILIZER
ON GROWTH AND YIELD OF OKRA (*Abelmoschus esculents*) IN
SANDY REGOSOL**



**BY
SHASITHA GANESHAN**



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**FACULTY OF TECHNOLOGY
EASTERN UNIVERSITY
SRI LANKA
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ABSTRACT

The experiment was conducted to study the effect of indigenous microorganism fertilizer on growth and yield of okra in sandy regosol. The experiment was laid out in a Complete Block Design with five treatments. The treatments were recommended inorganic fertilizer (T₁), Indigenous microorganisms: soil: compost 1: 5: 2 ratios (T₂), Indigenous microorganisms: soil: compost $\frac{3}{4}$: 5: 2 ratios (T₃), Indigenous microorganisms: soil: compost $\frac{1}{2}$: 5 :2 ratios (T₄) and Indigenous microorganisms: soil: compost $\frac{1}{4}$: 5: 2 ratios (T₅). Okra variety *Haritha* was used in this experiment.

The present study revealed that there were significant differences ($P < 0.05$) in growth and yield parameters and it was high T₂. Further water delivery was high in T₁ and low in T₂. The study concludes that among the all tested treatments microorganisms: soil: compost 1: 5: 2 (T₂) would be suitable for okra cultivation in sandy regosol.

Key Words: Indigenous microorganism, growth, okra, yield

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