

**THE INFLUENCE OF COCO PEAT AND COCO COIR MEDIA ON
GERMINATION OF LETTUCE USING HYDROPONIC**

INNA MAE BASTIDA

**THESIS SUBMITTED TO THE FACULTY OF INSTITUTE OF
COMPUTING, ENGINEERING, AND TECHNOLOGY,
DAVAO DEL SUR STATE COLLEGE MATTI,
DIGOS CITY, IN PARTIAL FULLFIL-
MENT OF THE REQUIREMENTS
FOR THE DEGREE OF**

**BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS
ENGINEERING**

MAY 2024

ABSTRACT

BASTIDA, INNA MAE., Davao del Sur State College (DSSC) Institute of Computing Engineering and Technology, Mati, Digos City. May 2024 "**THE INFLUENCE OF COCO PEAT AND COCO COIR ON THE GERMINATION OF LETTUCE USING HYDROPONICS**". Undergraduate Thesis.

Adviser: Mark Jude F. Trondillo, Ph.D

The study able to determine the Germination of Lettuce under SNAP hydroponics nutrient solution. Using different mixture of treatment and nutrient solution. The root length, plant height, number of leaves, germination rate, and water pH were determined. The data was gathered using a Randomized Complete Block Design.

The result showed that root length average range 4.3-5.1 cm. While plant height average range 3.5-8.2 cm. In number of leaves average range 2.4-3 pcs. Germination rate average range 96.3-100 percentage. The water pH average range 7.3-7.4. There's no significant difference in terms of root length, plant height, number of leaves and germination rate of lettuce.

Keywords: coco peat, coco coir, lettuce, hydroponics, SNAP solution