BUDIDAYA KALE *(Brassica oleracea* Var. *Curly Scarlet)* DAN SELADA KERITING *(Lacttuca sativa* Var. *Grand Rapid)* SECARA HIDROPONIK DFT DUA JENIS TANAMAN DALAM SATU NETPOT

Disusun oleh : Panji Harfandika

Dosen Pembimbing
Ari Wijayani dan Endah Budi Irawati

ABSTRAK

Kale (*Brassica oleracea* Var. *Curly Scarlet)* dan selada keriting (*Lactuca sativa* Var. *Grand Rapid)* dapat dibudidayakan secara hidroponik DFT (*Deep Flow Technique*). Tujuan penelitian ini adalah untuk mengetahui waktu penyisipan tanaman selada dan menentukan sistem tanam yang paling tepat antara hiroponik DFT dua jenis tanaman dalam satu netpot dan hidroponik satu jenis tanaman dalam satu netpot pada tanaman kale dan selada keriting. Penelitian ini dilakukan pada bulan Januari hingga Maret 2019 di Depok, Sleman, Daerah Istimewa Yogyakarta (DIY). Metode yang digunakan adalah RAKL dengan satu faktor. Faktor waktu tanam, Kale dan selada ditanam serentak umur 14 hari, Kale umur 18 hari dengan Selada umur 14 hari, Kale umur 22 hari dengan Selada umur 14 hari, Kale umur 26 hari dengan Selada umur 14 hari, Selada tanpa kale, dan Kale tanpa selada. Setiap kombinasi perlakuan diulang sebanyak 4 kali. Data dianalisis keragamannya dengan menggunakan sidik ragam (Anova) pada taraf 5% dan dilakukan uji DMRT taraf 5%. Waktu penyisipan tanaman selada pada tanaman kale dengan selisih 4 hari adalah waktu tanam yang baik untuk pertumbuahan dan hasil tanaman. Sistem tanam yang tepat untuk meningkatkan pertumbuhan dan hasil tanaman kale *dan selada keriting secara hidroponik DFT adalah sistem tanam dua jenis tanaman dalam satu netpot.*

Kata kunci : kale, selada keriting, hidroponik DFT, waktu tanam.

THE DEEP FLOW TECHNIQUE HYDROPONICS OF KALE *(Brassica oleracea* Var. *Curly Scarlet)* AND CURLY LETTUCE *(Lacttuca sativa* Var. *Grand Rapid)* BY USING TWO TYPES OF PLANT IN ONE NETPOT

by: Panji Harfandika

Supervised by:
Ari Wijayani and Endah Budi Irawati

ABSTRACT

Kale (*Brassica oleracea* Var. *Curly Scarlet)* and curly lettuce (*Lactuca sativa* Var. *Grand Rapid)* could be grown by DFT (*Deep Flow Technique*) hydroponic. This research aimed to know the insertion time of the curly lettuce and to determined the appropriate planting systems between DFT hydroponic by using two types of plants in one netpot and hydroponics by using one system in one netpot on the kale and curly lettuce. This research was conducted in January to March 2019 in Depok, Sleman, Daerah Istimewa Yogyakarta (DIY). The research was a field experiment using Randomized Completely Block Design (RCBD) with one factor. The treatment is the planting time of kale and curly lettuce consists: Kale and curly lettuce were planted simultaneously at 14 days, Kale was planted at 18 days with curly lettuce was planted at 14 days, Kale was planted at 22 days with curly lettuce was planted at 14 days, Kale was planted at 26 days with curly lettuce was planted at 14 days, curly lettuce was planted without kale and Kale was planted without curly lettuce. The observed data ware analyzed by Analysis of Varian (ANOVA) and continued by DMRT test (Duncan Multiple Range Test) on 5% test level. The insertion time of curly lettuce on the kale with the difference of 4 days was the best time for growth and yields. The appropriate planting system for increase the growth and yield of kale and curly lettuce was using DFT hydroponics with two types of plants in one netpot.

Key words : kale, curly lettuce, DFT hydroponics.