

## ABSTRAK

### **Pengaruh Konsentrasi Pupuk Organik Cair Urin Sapi Terhadap Pertumbuhan Dan Hasil Kangkung Darat (*Ipomoea reptans* Poir)**

Oleh

**Herlin Dwi Cahya**

**NPM 175001153**

Dosen Pembimbing

**Tini Sudartini**

**Elya Hartini**

Tanaman kangkung darat adalah sayuran semusim yang memiliki kandungan gizi cukup tinggi seperti zat besi, protein, dan serat serta berbagai vitamin. Produktivitas tanaman kangkung darat belum maksimal karena masih rendahnya pengetahuan masyarakat tentang budidaya tanaman kangkung darat terutama pemupukan. Aplikasi pupuk organik cair (POC) urin sapi merupakan salah satu cara untuk meningkatkan produksi tanaman kangkung darat. Penelitian ini bertujuan untuk mengetahui pengaruh konsentrasi POC urin sapi terhadap pertumbuhan dan hasil tanaman kangkung darat. Penelitian ini dilaksanakan di desa Neglasari, Kecamatan Pamarican, Kabupaten Ciamis pada bulan Mei hingga Juni 2024. Penelitian menggunakan Rancangan Acak Kelompok (RAK) dengan empat perlakuan, yaitu : A= tanpa pemberian POC urin sapi (Kontrol), B= POC urin sapi 10 ml/l, C= POC urin sapi 20 ml/l dan D= POC urin sapi 30 ml/l yang diulang sebanyak enam kali. Data penelitian dianalisis dengan analisis varian dilanjutkan dengan Uji Jarak Berganda Duncan pada taraf 5%. Hasil penelitian menunjukkan bahwa, perlakuan POC urin sapi 20 ml/l merupakan konsentrasi terbaik untuk meningkatkan pertumbuhan dan hasil tanaman kangkung darat.

**Kata Kunci** : Konsentrasi; POC urin sapi; kangkung darat.

## ABSTRACT

### **Effect of Cow Urine Liquid Organic Fertilizer Concentration on the Growth and Yield of Morning Glory Plants (*Ipomoea reptans* Poir)**

by

**Herlin Dwi Cahya**  
**NPM 175001153**

Under guidance of

**Tini Sudartini**  
**Elya Hartini**

The morning glory plant is a seasonal vegetable that has quite high nutritional content such as iron, protein and fiber as well as various vitamins. The productivity of morning glory plants has not been maximized due to the low level of public knowledge about the cultivation of morning glory plants, especially fertilization. The application of liquid organic fertilizer (LOF) from cow urine is one way to increase the production of morning glory plants. This research aims to determine the effect of cow urine LOF concentration on the growth and yield of morning glory plants. This research was carried out in Neglasari village, Pamarican District, Ciamis Regency from May to June 2024. The research used a Randomized Block Design (RBD) with four treatments, namely: A= without cow urine LOF (Control), B= cow urine LOF 10 ml/l, C= cow urine LOF 20 ml/l and D= cow urine LOF 30 ml/l which was repeated six times. Research data were analyzed by Analysis of Variance followed by Duncan's Multiple Range Test at the 5% level. The research results showed that 20 ml/l cow urine LOF treatment was the best concentration to increase the growth and yield of morning glory plants.

**Keywords** : Concentration; Cow urine Liquid Organic Fertilizer; Morning glory plants