

RINGKASAN

Penelitian ini telah dilaksanakan di desa Sei Mencirim, Tempat penanaman Tanaman di Lahan Sawah, Kecamatan Sunggal, Kabupaten Deli Serdang, Provinsi Sumatera Utara. Penelitian dilaksanakan pada bulan Agustus 2021 s/d November 2021. Penelitian dibimbing oleh Ibu Dr. Yayuk Purwaningrum SP,MP. Ketua Pembimbing dan Ibu Dr. Yenni Asbur SP,MP. Sebagai Anggota Pembimbing. Tujuan Penelitian untuk mengetahui Uji Coba Beberapa Dosis Pupuk N Terhadap Pertumbuhan Dan Produksi Tanaman Jagung Hibrida Varietas Pioneer Di Lahan Sawah.

Perlakuan dosis pupuk N 300 kg/ha berpengaruh meningkatkan pertumbuhan tanaman jagung di lahan sawah yaitu tinggi tanaman, diameter batang dan jumlah daun, sedangkan perlakuan tanpa pemupukan (kontrol) menghasilkan pertumbuhan tanaman terendah. Perlakuan dosis pupuk N tidak berpengaruh nyata terhadap seluruh parameter produksi tanaman jagung di lahan sawah yaitu panjang tongkol, diameter tongkol, berat tongkol dengan klobot, berat tongkol tanpa klobot, jumlah baris per tongkol, jumlah biji per tongkol, berat tongkol tanpa biji, berat kering biji, dan berat 1000 biji jagung di lahan sawah.

Kata Kunci : Pertumbuhan dan Produksi Tanaman, Jagung Hibrida Zea maysL. Saccharata.

SUMMARY

This research has been carried out in the village of Sei Mencharim, a place for planting crops in Rice Fields, Sunggal District, Deli Serdang Regency, North Sumatra Province. The research was carried out in December 2021 to April 2022. The research was supervised by Dr. Mrs. Yayuk Purwaningrum SP, MP. Chief Advisor and Mrs. Dr. Yenni Asbur SP, MP. As a Advisory Member. The purpose of the study was to determine the trial of several doses of N fertilizer on the growth and production of hybrid maize plants of pioneer varieties in rice fields.

The treatment with a dose of 300 kg/ha of N fertilizer had an effect on increasing the growth of maize in paddy fields, namely plant height, stem diameter and number of leaves, while the treatment without fertilization (control) resulted in the lowest plant growth. The treatment dose of N fertilizer did not significantly affect all parameters of maize production in paddy fields, namely the length of the cob, the diameter of the cob, the weight of the cob with cob, the weight of the cob without the cob, the number of rows per cob, the number of seeds per cob, the weight of the cob without seeds, dry weight. seeds, and the weight of 1000 corn kernels in paddy fields.

Keywords: Plant Growth and Production, Zea maysL Hybrid Corn. Sacchaharata.