

**PENGARUH PUPUK NITROGEN TERHADAP
PERTUMBUHAN DAN PRODUKTIVITAS TEMBAKAU
(*Nicotiana tabacum* L.) VARIETAS PRANCAK PADA
KEPADATAN POPULSI 45.000/HA DI KABUPATEN
PAMEKASAN JAWA TIMUR**

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Abstrak

Pengaruh dosis pupuk N terhadap pertumbuhan dan produktivitas tembakau Prancak telah dilakukan pada bulan April 2011 sampai Oktober 2011 di lahan perkebunan di Kaduara Barat, Pamekasan. Dosis nitrogen yang diujikan adalah 30 kg/Ha, 60 kg/Ha, dan 90 kg/Ha. Penelitian ini dirancang menggunakan Rancangan Acak Kelompok (RAK) dengan tiga kali ulangan. Pengambilan sampel tanaman sebanyak 10 tegakan yang dilakukan secara acak. Analisa data menggunakan Anova diteruskan ke uji Tukey untuk mengetahui beda nyata.

Perlakuan dosis pupuk N tidak memberikan pengaruh yang nyata terhadap tinggi tanaman, jumlah daun produksi, panjang daun, lebar daun, luas daun, dan diameter kanopi serta produktivitas tembakau, yaitu berat basah tanaman dan berat kering tanaman. Dosis pupuk 90 kg/Ha N menunjukkan nilai rata-rata tertinggi pada tinggi tanaman, jumlah daun produksi, panjang daun, lebar daun, luas daun, dan diameter kanopi serta produktivitas tembakau.

Kata kunci: Prancak, nitrogen, pertumbuhan, produktivitas

**EFFECTS OF NITROGEN FERTILIZER ON GROWTH
AND PRODUCTIVITY OF *Nicotiana tabacum* (L) ON
45.000/HA DENSITY POPULATION IN PAMEKASAN
REGION, EAST JAVA**

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Abstract

An experiment was conducted in April 2011 to October 2011 at the plantation in Kaduara Barat, Pamekasan to study the effect of N rates on growth and productivity. The dosages of nitrogen treated were 30 kg/Ha, 60 kg/Ha, and 90 kg/Ha. This study was designed using “Randomize Complete Group Design” with three replications. Plant sampling conducted as many as 10 plants randomly. Analysis of data using Anova and continued by Tukey’s test to find out the real difference.

The treatment dosages of fertilizer N did not give significant effect on plants height, number of leaves produced, leaves length, leaves width, leaves area, and diameter of the canopies as well as the productivity of tobaccos, wet weight and dry weight of plants. 90 kg/Ha N fertilizer dosages shows the highest average for plants height, number of leaves produced, leaves length, leaves width, leaves area, and diameter of the canopies as well as the productivity of tobaccos.

Keywords: *Prancak, nitrogen, growth, productivity*