

ABSTRAK

PENGARUH LAMA PERENDAMAN STEK DAN KONSENTRASI URIN KAMBING TERHADAP DAYA TUMBUH DAN PRODUKTIVITAS RUMPUT PAKCHONG (*Pennisetum purpureum cv. Thailand*)

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh lama perendaman stek dan konsentrasi urin kambing terhadap daya tumbuh dan produktivitas rumput pakchong (*Pennisetum purpureum cv. Thailand*). Penelitian ini dilaksanakan November 2022- Januari 2023 di Laboratorium Lapang Terpadu, Universitas Lampung, Bandar Lampung. Penelitian ini dilakukan menggunakan Rancangan Acak Lengkap (RAL) dengan 16 perlakuan dan 3 ulangan, dengan menggunakan 240 stek rumput pakchong. Perlakuannya adalah konsentrasi K0 ; urin 0%, K1; urin 25%, K2; urin 50%, K3; urin 100%, dan lama perendaman L0; 0 menit, L1; 10 menit, L2; 20 menit, L3; 30 menit. Data yang diperoleh dianalisis menggunakan analisis ragam ANOVA (*Analysis of Variance*) dan uji lanjut BNT taraf 5%. Hasil dari penelitian ini menunjukkan bahwa perlakuan lama perendaman dan konsentrasi urin kambing tidak berpengaruh nyata ($P>0,05$) terhadap tinggi tanaman, jumlah daun, daya tumbuh, jumlah tunas, dan berat segar dan berat kering rumput pakchong (*Pennisetum purpureum cv. Thailand*)

Kata kunci : produktifitas, rumput pakchong (*Pennisetum purpureum cv. Thailand*), urin kambing.

ABSTRACT

EFFECT SOAKING TIME OF CUTTINGS AND CONCENTRATION GOAT URINE ON GROWTH AND PRODUCTIVITY OF PAKCHONG (*Pennisetum purpureum cv. Thailand*) GRASS

By

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This study aims to determine the effect soaking time of cuttings and concentration goat urine on the growth and productivity of pakchong grass (*Pennisetum purpureum cv. Thailand*). This research was conducted from November 2022 to January 2023 at the Integrated Field Laboratory, University of Lampung, Bandar Lampung. This study was conducted using a completely randomized design (CRD) with 16 treatments and 3 replications, using 240 pakchong grass cuttings. The treatments were concentration K0;0% urine, K1;25% urine, K2; 50% urine, K3; 100% urine, and soaking time L0; 0 minutes, L1; 10 minutes, L2; 20 minutes, L3; 30 minutes. The data obtained were analyzed using analysis of variance (ANOVA) and BNT further test at 5% level. The result of this study showed that the treatment of soaking time and concentration of goat urine had no significant effect ($P > 0,05$) on plant height, number of leaves, growth power, number of shoots, fresh weight and dry weight of pakchong grass (*Pennisetum purpureum cv. Thailand*).

Key words : produktivity, pakchong grass (*Pennisetum purpureum cv. Thailand*), goat urine.