

**EFEKTIFITAS POTONGAN *BUD CHIPS* DAN PEMILIHAN RUAS BATANG
TERHADAP PERTUMBUHAN BIBIT TEBU
(*Saccharum officinarum* Linn.) VARIETAS VMC 76-16**

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ABSTRAK

Tebu (*Saccharum officinarum* Linn.) adalah salah satu tanaman penghasil gula. Perlakuan potongan *bud chips* dan pemilihan ruas batang diharapkan memberikan pertumbuhan yang optimal terhadap pertumbuhan bibit tebu. Penelitian dilakukan bertujuan untuk mengetahui ukuran potongan *bud chips* dan ruas batang yang tepat digunakan sebagai bahan bibit tebu varietas VMC 76-16. Penelitian dilaksanakan di Desa Telang, Kabupaten Bangkalan, Madura sejak bulan Mei sampai Juli 2014. Metode penelitian menggunakan Rancangan Acak Lengkap (RAL). Hasil analisis data dilakukan dengan menggunakan metode analisis varians orthogonal kontras, penelitian menunjukkan bahwa perlakuan potongan *bud chips* dan pemilihan ruas batang di semua perlakuan memberikan pengaruh sangat nyata pada variabel pengamatan jumlah daun (4 MST) dan variabel tinggi tanaman di semua umur pengamatan. Perlakuan D 0,5 cenderung menghasilkan kecepatan inisiasi mata tunas dibandingkan perlakuan D 1 dan perlakuan D 1 menghasilkan pertumbuhan vegetatif yang lebih tinggi pada variabel pengamatan tinggi tanaman, jumlah daun, bobot basah brangkas dan bobot kering brangkas dibandingkan perlakuan D 0,5.

Kata kunci : *Saccharum officinarum*, *Bud chips*, Ruas tebu, VMC 76-16.

**EXTRACTS FROM THE EFFECTIVENESS OF CHIPS AND SELECTION
BUD STEM SEGMENTS CANE SEEDS ON THE GROWTH
(*Saccharum officinarum* Linn.) VARIETY VMC 76-16**

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ABSTRACT

*Sugarcane (*Saccharum officinarum* Linn.) is one of the crops of sugar. Treatment pieces of bud chips and selecting stem segments are expected to provide optimal growth to the growth of sugarcane seedlings. The study aimed to determine the size of the pieces of bud chips and appropriate stem segments used as seed cane varieties VMC 76-16. The research was conducted in the village of Telang, Bangkalan, Madura, from May to July 2014. The research method using completely randomized design (CRD). The results of the data analysis is done by using the method of variance analysis of orthogonal contrasts, the study showed that treatment of pieces of bud chips and election stem segments in all highly significant treatment effect on the observation variable number of leaves (4 WAP) and variable plant height at all ages observations. Treatment D 0.5 tends to produce buds initiation speed than treatment D 1 and D 1 treatment resulted in a higher vegetative growth on the observation variables plant height, number of leaves, fresh weight and dry weight stover stover than treatment D 0,5.*

Keywords: *Saccharum officinarum*, Bud chips, Segment cane, VMC 76-16.