

**PENGARUH PEMANFAATAN BOKASHI LIMBAH KULIT BUAH
PISANG KEPOK (*Musa paradisiaca*) DENGAN AKTIVATOR
EM 4 TERHADAP PERTUMBUHAN DAN PRODUKSI
TANAMAN SAWI (*Brassica juncea* L)**

Sintauli Pasaribu (4152220008)

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pupuk bokashi kulit pisang kepok (*Musa paradisiaca*) dengan penambahan activator EM 4 terhadap pertumbuhan dan produksi tanaman sawi (*Brassica juncea* L) dan mengetahui kandungan N, P, K yang terdapat pada bokashi kulit pisang serta mengetahui konsentrasi pemberian bokashi kulit pisang yang dapat menghasilkan produksi tanaman sawi hijau yang paling berpengaruh. Penelitian ini dilaksanakan pada bulan Mei sampai Juli 2019, di Jalan Willem Iskandar, pasar V Medan 20221. Metode yang digunakan dalam penelitian ini ialah metode RAL (Rancangan Acak Lengkap) Non Faktorial dengan 6 perlakuan yaitu P0 (tanpa pemberian bokashi), P1 (Pemberian bokashi 25 gram), P2 (Pemberian bokashi 50 gram), P3 (Pemberian bokashi 75 gram), P4 (Pemberian bokashi 100 gram), P5 (Pemberian bokashi 125 gram), empat ulangan, dimana terdapat 24 polybag dan setiap polybag. Parameter yang diamati dalam penelitian ini adalah kandungan hara N, P, K dan C/N pupuk tinggi tanaman sawi, jumlah daun tanaman sawi, lebar tanaman sawi dan berat basah tanaman sawi. Hasil penelitian menunjukkan bahwa pemberian yang memberikan pengaruh yang nyata pada pertumbuhan dan produksi tanaman sawi pada perlakuan P3 yaitu (pemberian 75 gram bokashi kulit pisang) 26 cm dan hasil produksi 18,75gr.

**THE EFFECT OF UTILIZATION OF BOKASHI BANANA SKIN WASTE
KEPOK (*Musa paradisiaca*) WITH EM 4 ACTIVATION AGAINST
GROWTH AND PRODUCTION OF MUSTARD
PLANT (*Brassica juncea* L)**

Sintauli Pasaribu (4152220008)

ABSTRACT

This study aims to determine the effect of the application of Kepok banana skin bokashi fertilizer (*Musa paradisiaca*) with the addition of EM 4 activator to the growth and production of mustard plants (*Brassica juncea* L) and determine the content of N, P, K contained in bokashi banana skin and determine the concentration of administration bokashi banana skin which can produce the most influential mustard greens production. This research was conducted in May to July 2019, on Jalan Willem Iskandar, Pasar V Medan 20221. The method used in this study was the Non-Factorial RAL (Completely Randomized Design) method with 6 treatments, namely P0 (without giving Bokashi), P1 (Giving 25 gram Bokashi), P2 (50 gram Bokashi), P3 (75 gram Bokashi), P4 (100 gram Bokashi), P5 (125 gram Bokashi), four replications, where there are 24 polybags and each polybag. The parameters observed in this study were nutrient content of N, P, K and C/N fertilizer height of mustard plants, number of leaves of mustard plants, width of mustard plants and the wet weight of mustard plants. The results showed that the administration which had a significant effect on the growth and production of mustard plants was in the treatment of P3 (giving 75 grams of bokashi banana skin) of the growth 23 cm and production is 18,75 grams.