

**PENGARUH PEMBERIAN POC KULIT PISANG DENGAN PENAMBAHAN
DAUN KELOR (*Moringa oleifera*) TERHADAP PERTUMBUHAN DAN
PRODUKSI TANAMAN JAGUNG PULUT (*Zea mays Ceratina*)**

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ABSTRAK

Jagung pulut mengacu pada varietas jagung yang patinya hanya terdiri dari amilopektin, yang memberikan rasa manis dan lengket. Penelitian ini bertujuan untuk mengkaji bagaimana pengaruh POC kulit pisang (*Moringa oleifera*) dengan penambahan daun kelor terhadap pertumbuhan dan produksi tanaman jagung pulut (*Zea mays Ceratina*). Pelaksanaan penelitian ini dilakukan pada bulan Agustus – Oktober 2024 di lahan budidaya Politeknik Negeri Jember, Kecamatan Sumbersari, Kabupaten Jember. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK), dengan variable penelitian adalah penggunaan POC kulit pisang dengan penambahan daun kelor dengan enam taraf yang berbeda, yaitu P0 (Tanpa Pupuk Organik Cair (sebagai control)), P1 (POC Kulit Pisang Dengan Penambahan Daun Kelor 40 ml/liter air), P2 (POC Kulit Pisang Dengan Penambahan Daun Kelor 50 ml/liter air), P3 (POC Kulit Pisang Dengan Penambahan Daun Kelor 60 ml/liter air), P4 (POC Kulit Pisang Dengan Penambahan Daun Kelor 70 ml/liter air), P5 (POC Kulit Pisang Dengan Penambahan Daun Kelor 80 ml/liter air) yang masing-masing perlakuan diulang sebanyak empat kali. Data hasil pengamatan dianalisis dengan menggunakan program SPSS dengan uji Analysis of variance (ANOVA) dan diuji lanjut dengan uji Beda Nyata Terkecil (BNT) dengan taraf 5%. Variabel pengamatan meliputi dari tinggi tanaman, diameter tongkol, berat tongkol berkelobot, berat tongkol tanpa kelobot, panjang tongkol, berat brangkasan kering. Berdasarkan hasil penelitian, pemberian pemberian POC kulit pisang (*Moringa oleifera*) dengan penambahan daun kelor terhadap pertumbuhan dan produksi tanaman jagung pulut (*Zea mays Ceratina*) tidak berpengaruh terhadap tinggi tanaman, diameter tongkol, berat tongkol berkelobot, berat tongkol tanpa kelobot, panjang tongkol, berat brangkasan kering.

Kata Kunci: Jagung Pulut, POC Kulit Pisang dan Daun Kelor

***EFFECT OF IMPLEMENTATION OF CORN POC WITH THE ADDITION
OF KELOR LEAVES (*Moringa oleifera*) ON THE GROWTH AND
PRODUCTION OF CORN STARCH PLANT (*Zea mays Ceratina*)
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ABSTRACT

*Glutinous corn refers to a variety of corn whose starch consists only of amylopectin, which gives it a sweet and sticky taste. This study aims to examine how the effect of POC of banana peel (*Moringa oleifera*) with the addition of moringa leaves on the growth and production of glutinous corn plants (*Zea mays Ceratina*). The implementation of this research was carried out in August – October 2024 on the cultivation land of the Jember State Polytechnic, Summersari District, Jember Regency. This study used a Group Random Design (RAK), with the study variables being the use of banana peel POC with the addition of moringa leaves with six different levels, namely P0 (Without Liquid Organic Fertilizer (as a control)), P1 (Banana Peel POC with the addition of Moringa leaves 40 ml/liter of water), P2 (POC of banana peel with the addition of Moringa leaves 50 ml/liter of water), P3 (POC Banana Peel with the addition of Moringa Leaves 60 ml/liter of water), P4 (POC of Banana Peel with the addition of Moringa Leaves 70 ml/liter of water), P5 (POC of Banana Peel with the addition of Moringa Leaves 80 ml/liter of water) each treatment was repeated four times. The observation data was analyzed using the SPSS program with the Analysis of variance (ANOVA) test and further tested with the Smallest Real Difference (BNT) test with a level of 5%. Observation variables included plant height, cob diameter, cob weight, cob weight without cob, cob length, dry trim weight. Based on the results of the study, the administration of POC of banana peel (*Moringa oleifera*) with the addition of moringa leaves to the growth and production of glutinous corn plants (*Zea mays Ceratina*) had no effect on plant height, cob diameter, weight of cobs, weight of cobs without cobs, length of cobs, and weight of dried cuttings.*

Keywords: *Pulut Corn, Banana Peel POC and Moringa Leaf*