

Pengaruh Dosis Pupuk NPK 16-16-16 Dan Defoliasi Daun Dibawah Tongkol Terhadap Produksi Dan Mutu Benih Jagung Manis (*Zea mays saccharata* Sturt). *Effect of Dosage of NPK 16-16-16 Fertilizer and Leaf Defoliation Under Cob on Production and Quality of Sweet Corn Seed (*Zea mays saccharata* Sturt).*
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ABSTRACT

Sweet corn seed production is still not sufficient for national seed production needs. One of the efforts made is by giving the right dose of NPK 16-16-16 fertilizer and proper leaf defoliation under the cob. The purpose of this study was to determine the dose of NPK 16-16-16 fertilizer and leaf defoliation under the cob on the production and quality of sweet corn seeds. The research was carried out in the land of PT. Wira Agro Nusantara Sejahtera in Pulosari Village, Pare District, Kediri Regency. The research was carried out from August to November 2021. This study used the factorial RAK (RCBD) method with 2 factors. The first factor is the dose of NPK 16-16-16 fertilizer with 3 treatments, namely 9 g / plant, 12 g / plant, 15 g / plant. The second factor was defoliation of leaves under the cob with 3 treatments, namely 3 leaves, 4 leaves, 5 leaves. The data obtained were analyzed using a variance test and continued with the DMRT (Duncan Multiple Range) test with a level of 5%. The results of data analysis showed that there was no interaction between the treatment dose of NPK 16-16-16 fertilizer and leaf defoliation under the cob on all parameters observed. Treatment dose of NPK 16-16-16 fertilizer showed a very significant effect on all parameters except plant height, leaf length, leaf width at 28 DAP. In the treatment of leaf defoliation under the cob, it showed a significant effect on the length of the ear and the diameter of the ear.

Keywords: Sweet Corn, NPK 16-16-16 Fertilizer Dosage, Leaf Defoliation Under Cobs