

Effectiveness of Plant Population and NPK Phonska Dosage on The Production of Maize Bisi 2 Varieties

Hasyim Asy'ari⁽¹⁾, Muqwin Asyim⁽²⁾

Crop Production Technology Program

Crop Production Department, State Polytechnic of Jember

Mastrip St. Po. Box 164, Jember 68101

*Corresponding author: hasyimasyari161196@gmail.com

ABSTRACT

This research aims to determinet the effect of plant population and NPK Phonska dosage on production of Maize Bisi 2 Varieties. This research in Tegal Gede Village, Sumbersari, Jember Regency, East Java Province with an altitude 89 meter above sea level (asl). This research was conducted on November 2018 to February 2019. The research method was applied Randomize Block Design (RBD) 2 factorial. The first factors was plant population (J) with 3 levels:(J1):plant spacing 70 cmx20 cm/1 seed/hole planting line system (population 80.000 plants/hectare), (J2):plant spacing 100 cm-40 cmx15 cm/1 seed/hole double row system (population 106.666 plants/hectare), (J3):plant space 100 cm-60 cmx50 cm/4 seed/hole double row system (population 160.000 plants/hectare). The second factors was NPK Phonska dosage with 3 levels:(D1):200 kg/hectare NPK Phonska dosage, (D2):300 kg/hectare NPK Phonska dosage, (D3):400 kg/hectare NPK Phonska dosage. The result shows on (J3):4 seeds/hole double row system is significant on gross weight of corncob per sample hole, dry weight of corncob per sample hole, dry weight of corncob and dry weight of kernel per sample hole. NPK Phonska dosage is non significant for all parameters. There is no interaction between plant population and NPK Phonska dosage.

Keywords : Maize Bisi 2 Varieties, Plant Population, NPK Phonska Dosage.