

The Effect of Many Sources NPK for Growth and Maize (*Zea mays L.*) Production

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ABSTRACT

*Research about The Effect of Many Sources NPK for Growth and Maize (*Zea mays L.*) Production was conducted over three months from November to February 2016. Research did in the Polytechnic of Jember's practice fields, on Sumber Sarivillage, Tegal Gede Subdistrict, Jember Regency, East Java Province. This research used a randomized block design (RAK) factorial of two factors. In this research, the first factor is the NPK fertilizer which includes NPK Mutiara (K1), NPK Fertilizer Phonska (K2) and NPK Single (K3). The second factor is the variety that includes Bisma varieties (V1), Pioner 21 varieties (V2) and Pertiwi varieties (V3). Observational data on each parameter analyzed using the formula F test (ANOVA) followed by a further test with DMRT Taraf 1%. The results showed that treatment of NPK fertilizer on the growth and production of maize (*Zae mays L.*) very significant effect on the parameters of per plot dry weight. Treatment of varieties on the growth and production of maize (*Zae mays L.*) very significant effect on the parameters of per sample heavy wet cobs, per sample cob length, per sample cob diameterl, sample per plot dry weight and dry weight. The interaction between NPK and Varieties very significant effect on the per sample cob diameter parameters .*

Keywords : *Fertilization, Maize Production, NPK Fertilizer, Varietie*

