

**Effect of Straw Mulching And Bat Guano Fertilizer Production Of Peanuts.
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ABSTRACT

Research on the **Effect of Mulching Straw And Bat Guano Fertilizer Production Of Peanuts** aims to determine the effect of straw mulch and fertilizer bat guano on groundnut production. The research was conducted in October 2016 to January 2017 held at Tegal Gede, District Sumbersari, Jember, East Java Province. The studies include (RAK) 2 factorial. The first factor mulching straw: without straw mulch (T0), mulching straw in early planting (T1) and straw mulching on the early planting and the process pembumbunan (T2). The second factor bat guano fertilizer include: 0kg / plot (G0), 4kg / plot (G1), 8kg / plot (G2) and 12kg / plot (G3), comprising 12 combinations of treatments 3 replications. Observations were made on a variable number of nodules, the weight of the wet pod, weight of dried peas, pods, weight of 100 seeds, and dry seed weight. Data analysis using Anova and in a further test using DMRT 5%. The results of a study entitled "Effect of Mulching Straw and Fertilizer Bat Guano on Production Peanuts" This shows that the provision of straw mulch no significant effect on all parameters of observation while fertilizer Bat Guano different shows the measurement of the number of nodules, dry weight of seed persampel and dry weight of seed perplot and there is no interaction between straw mulching and fertilizer bat guano to peanuts.

Keywords: *Mulch Straw, Bat Guano, Production Peanut*