**The Effect of Giving Oyster Mushroom Waste and How to Process Soil in Increasing Peanut Production**

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*ABSTRACT*

*Peanuts (Arachis hypogaea) are one of the food crops including legume plants or commonly called legumes. However, peanut production in Indonesia is still relatively low because the cultivation techniques used are inappropriate. So we need a solution to overcome these problems. This study aims to determine the response of giving oyster mushroom media waste and proper tillage to Elephant variety peanut production. This research was conducted in Tegal Gede Village, Sumber Sari District, Jember Regency. This study uses factorial Randomized Group Design (RBD). The first factor is the oyster mushroom media waste which consists of three levels (0 tons / ha, 15 tons / ha and 30 tons / ha), while the second factor is as much as three levels of tillage (zero tillage, minimum tillage and full tillage). Data was analyzed using ANOVA which was further tested with 5% DMRT. The results showed that the administration of oyster mushroom media waste and tillage gave no significant effect (ns) on all growth parameters observed.*

*Keywords: Baglog Oyster Mushroom, Peanuts, Soil Ore, Peanut Production*