

Pengaruh Konsentrasi dan Interval Waktu Aplikasi Pupuk Organik Cair terhadap Pertumbuhan dan Produksi Kedelai Organik (*Glycine max L.*)*Effect Of Concentration and Time Interval Of Liquid Organic Fertilizer Application On Growth and Production Of Organic Soybean (*Glycine max L.*).*
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ABSTRACT

*Soybeans are one of the most important food crops in Indonesia. Most Indonesian soybean farmers rely heavily on chemical fertilizers. Where the use of artificial fertilizers has a lasting effect on the condition of the soil used. The study was conducted at UD Sirtanio Banyuwangi from August 2022 to November 2022. In this study, RBD factors were used with 2 factors and 3 replicates. The first factor is the concentration of 1ml/liter, 2ml/liter and 3ml/liter. The second element is the time interval, once every 5, 7, or 9 days. The concentration treatment was applied to the observed parameters of plant height 30 hst ($K_3 = 29.37$), plant height 45hst ($K_3 = 44.03$), flowering time ($K_1 = 35.19$), pod weight per plant ($K_3 = 39.53$), seed weight per plant. ($K_3 = 24.78$), 100-grain weight ($K_3 = 16.35$), and yield per hectare ($K_3 = 2167.86$). Concentration treatment had no significant effect (ns) on the parameters of plant height 15hst and number of producing branches. The time interval treatment had a very realistic effect (**) on the observed parameters. plants ($I_1 = 24.12$) and production per hectare ($I_1 = 2110.21$). The time interval treatment did not produce significant effects (ns) on the parameters plant height 15 hst, number of producing branches, flowering time and weight of 100 seeds. The interaction of concentration treatment and time interval had no significant effect (ns) on any observed parameter.*

Keywords : *soybean, liquid organic fertilizer, chemical fertilizer, concentration, time interval.*