

**RESPONSE OF GROWTH AND PRODUCTION OF PEANUT (*Arachis hypogaea* L.)
TO VARIOUS CONCENTRATIONS OF POC URINE OF CATTLE AND COWS
DELIVERY TIME INTERVAL**

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ABSTRACT

Lack of nutrient content in the soil is a major factor in helping optimal growth and production. Peanut is a legume crop whose production needs to be increased due to the increasing consumption of peanuts. This study aims to determine the effect of peanut plant growth and production on the application of Cow Urine POC and Administration Time Interval. This research was conducted in July-October 2021 in Wonosari Village, Tekung District, Lumajang Regency using a Randomized Block Design (RAK) with 2 factors. The first is the POC concentration of cow urine P0:(control), P1:(7500 ml/ha (1.68 ml/plot)), P2:(8500 ml/ha (1.91 ml/plot)), P3:(9500 ml/ha (2.13 ml/plot)). The second factor is the time interval for giving W1:(once a week), W2:(once in 2 weeks), W3:(once in 3 weeks). The results of the study showed that administration of various concentrations of POC in cow urine had an effect on plant height, wet pod weight and chestnut weight. Interval administration of cow urine POC effect on wet seed weight and chestnut weight. Interactions of various concentrations of POC in cow urine and time intervals of administration had an effect on the number of pods and dry seed weight. The best treatment for administering various concentrations of bovine urine POC in the treatment of bovine urine POC (9500 l/ha (2.13 ml/plot)), while the interaction between various concentrations of bovine urine poc and the time interval for giving the best treatment was Cow Urine POC Concentration 2, 13 ml/plot + Application once a week and POC Concentration of Cow Urine 2.13 ml/plot + Application once every 2 weeks.

Keywords: Peanut Plants, POC cow urine, Time Interval