

**THE EFFECT OF CONCENTRATION AND DURATION OF
GOAT URINE FERMENTATION IMMERSION ON THE
GROWTH OF ROBUSTA COFFEE (*Coffea canephora*)
CLONE BP 308**

Guided by Rahmawati,S.P., M.P

Aldi Wiranata

Plantation Crop Cultivation Study program

Agricultural Production Department, State Polytechnic Of Jember

e-mail : aldiajah949@gmail.com

ABSTRACT

The study aims to determine the effect of fermenting goat urine on cloned BP.308 coffee plant cuttings. This research was carried out in the PDP Sumber Wadung nursery in August – November 2020. This study used a factorial randomized design with 2 factors. The first factor consists of 4 levels and the second factor consists of 3 levels . Each treatment combination was repeated 3 times. The first factor is concentration, namely A0 (0% concentration), A1 (6%), A2 (12%), A3 (18% concentration). The second factor is the immersion time, namely B1 (5 minutes), B2 (15 minutes), B3 (25 minutes). The data obtained were analyzed with ANOVA at the 5% level and if they showed a significant difference, then continued with the BNT test (Least Significant Difference). has the result that goat urine fermentation has a significant effect on the number of coffee plant roots and has no significant effect on other parameters and there is no interaction between concentration and duration of soaking goat urine on Robusta coffee cuttings clone BP 308

Keywords: coffee plant, goat urine, concentration, soaking time