

PENGARUH KADAR AIR TANAH TERHADAP BIOMASSA CACING TANAH *Pontoscolex corethrurus*

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ABSTRACT

*This research was done in order to study of effect the soil humidity on earthworm *Pontoscolex corethrurus* biomass.*

80 earthworms were placed in plastic pot (12,5 cm in diameter and 10 cm on deep) contained soil media (four individuals in each pot). Four treatment of humidity (45 %, 50%, 55 % and 60 %) with five replications was carried out up to six weeks. At the end of experiment animals were wighting. The difference between pre and post experimental body wight was calculated, F test was used to test biomass differencees among the four conditions of humidity.

The result shown that the optimum biomass was in 50% soil humidity in the soil media.

Key words : *Pontoscolex corethrurus*, soil humidity, biomass