

## **ABSTRACT**

*This objective of this research was to get the kind of growing media and nutrient concentrations corresponding cow urine and to get interaction various kinds of media and nutrient concentrations of cow urine on the growth and yield caisim the wick hydroponic system. This research was conducted in the Green House of Faculty of Agriculture, University of Muhammadiyah Yogyakarta in June - August 2015.*

*The method of this research was conducted using factorial experiment arranged in a completely randomized design (CRD) with the first factor is the growing media consisting of 3 types of growing media, namely: rice husk, sawdust, and cocopeat. The second factor is the concentration of nutrients POC cow urine which consists of three concentrations are: 7%, 12.5%, and 18% is added 1 treatment using AB nutrient mix.*

*The results of this research showed that of the various treatments were attempted, growing media use sawdust gives better results than the rice husk and cocopeat on growth and yield caisim wick hydroponic system. The use of cow urine nutrients up to 18% gives a lower yield compared with nutrients AB mix and the higher the concentration of cow urine is given the growth and yield lower caisim.*

*Keywords: Caisim, Wick Pot Hydroponic, Plant Media, Cow Urine POC.*