

ABSTRACT

A research with title “The Effectivity of Lime Leaf Extract as Bioherbicides for Suppress Cyperus rotundus On Corn” was conducted in Green House Faculty of Agriculture UMY on Desember 2016 until March 2017. The aims of this research was to get the colour and concentration of lime leaf extract to inhibited the growth of Cyperus rotundus and know the effect of lime leaf extract in corn.

The research was conducted using a single factor experimental method that arranged in completely randomized design with 5 replication. The treatment was lime leaf extract from 3 colour, i.e light green, green, and dark green; each with consentration of 30%, 40%, 50% and 60%, added glyphosate herbicides and no herbicides as comparison.

The results of this research showed that lime leaf extract can inhibited the growth of Cyperus rotundus; lime leaf extract green colour with 30% concentration more effective inhibited the growth of Cyperus rotundus, and of green lime leaf extract with a concentration of 30% until 60% was increased the growth of corn.

Keywords : Cyperus rotundus, corn, bioherbicides ,lime leaf extract