

**THE EFFECT OF KIRINYUH WEED (*Chromolaena odorata*) LEAVE
EXTRACT CONCENTRATION ACCRETION ON AJERAN WEED
(*Bidens pilosa* L)**

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Kirinyuh weed (*Chromolaena odorata*) contains tannins, steroids, phenols, and other compounds that can inhibit the growth of other plants around it, so it can be used as a vegetable herbicide. This study aims to determine the concentration of kirinyuh leaf extract which is effective in controlling ajeran weed (*Bidens pilosa* L), this research was conducted in the experimental garden of the Faculty of Agriculture, in Siliwangi University. The study used a randomized block design (RBD) with 5 replications. The treatments consisted of kirinyuh leaf extract concentrations of 0%, 10%, 20%, 30%, and 40%. The results showed that the treatment extract concentrations of 10%, 20%, 30%, and 40% had a significant effect on weed height, number of leaves, leaf area, amount of chlorophyll, root length, dry weight and wet weight of ajeran weeds. The concentration of 40% kirinyuh leaf extract was effective in inhibiting the growth of ajeran weeds.

Keywords: kirinyuh extract, ajeran, vegetable herbicide