Aplikasi Campuran Tiga Jenis Herbisida Selektif Terhadap Gulma Teki (*Cyperus rotundus* **L.**) **Pada Lahan Produksi Benih Jagung**. *Aplication of mix Three Type of Selective Herbicide Against Weed Puzzle (Cyperus rotundus* L.*) On Corn Seed Production.* (Dr. Ir. Rahmat Ali Syaban, M.Si) *as chief counselour.*

Muhammad Bagas Wicaksono
Seed Production Technique Study Program
Agricultural Production Departmen
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

One of methods to increase the production of seeds corn are suppress growth with are using herbicide selective. One of methode usually foud is weep puzzle (Cyperus rotundus L.*). This research was to find out if there is the influence of mix three types of herbicide selective application of growth weed puzzles (Cyperus rotundus L.) on corn seed production land.The experiment was conducted in Production Research land PT. Corteva Agriscience, Kunir, Lumajang, Indonesia from 16 August to Desember 2019. The experimental was used Randomized Complete Block Design non factorial. The treatment was haerbicide selective. Mix Atrazine 500 g/l +Mesotrion 55g/l+Surfaktan (S1), Mix Atrazine 500 g/l +Topramezone 330g/l+ Adjuvant (S2), Mix Atrazine 500 g/l and Mesotrion 50g/l+Surfaktan (S3). The results showed that the application of selective herbicides mixed with active ingredient Atrazine 500 g/l + Mesotrion 55 g/l + Surfactant (S1) and selective herbicide application of the active ingredient mixture Atrazine 500 g/l + Topramezone 330 g/l + Adjuvant (S2) exerts very significant different influence on the efficacy of puzzle weeds with scores of 2.67 and 2.06 in a row on observations of age 25 DAP. At the age of observation 35 DAP and 45 DAP treatment application of selective herbicide mixture active ingredient Atrazine 500 g/l + Mesotrion 55 g/l + Surfactant (S1) with values of skorring 1.78 and 1.67 in a row and selective herbicide applications mixed with active ingredients Atrazine 500 g/l + Topramezone 330 g/l + Adjuvant (S2) with values of scorring 1.71 and 1.71 consecutively exert a noticeable different influence on the efficacy of weed puzzles. Atrazine treatment (S3) 500 g/l + Mesotrion 50 g/l + Surfactant observation of phytoxicity of corn crops lowest values 1.33 and 1.22 plants, Herbicide treatment (S2) mixture Atrazine 500 g/l + Topramezone 330 g/l + Adjuvant exerts signiifcant different influence on the observation parameters of the number of plants growing uniformly aged 25 DAP with an average value of 10 plants.*

Key words: *Corn, Weed Puzzle (Cyperus rotundus* L.*), Herbicide Selective*