Combination of natural plant product *Andropogon nardus* and *Citrus hystric* as attractant to fruit flies (Batrocera spp.)

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ABSTRACT

*Batrocera* spp (Diptera: Tephritidae: Decinae) is an important pest that causes a lot of damage to horticultural crops. *Andropogon nardus* and *Citrus hystric* are natural plant product as attractant to fruit flies so that can reduce fruit fly populations. The combined use *A.nardus* and *C. hystric* is expected to increase the population of fruit flies that are interested.

This study conducted on a laboratory and field scale. The laboratory tests conducted to test an effective combination to attract fruit flies and field testing to see the ability to attract various types of fruit flies on some commodities.

The results showed that the combination *A. nardus* and *C. hystric* are attracting against male and female fruit flies with the criteria of high to very high in both laboratory and field. There are 8 types of fruit flies are attracted namely: *B. umbrosa, B. papayae, B. cucurbitae, B. albistrigata, B. persignata, D. leogni* and *B. musae* on various commodities.

Key words: *Batrocera* spp, *Andropogon nardus*, *Citrus hystric*, attractant.