

**EFEKTIVITAS BERBAGAI INSEKTISIDA UMPAN *GEL* KOMERSIAL
SEBAGAI PENGENDALI POPULASI KECOAK JERMAN (*Blattella
germanica* L.)**

SKRIPSI SARJANA BIOLOGI

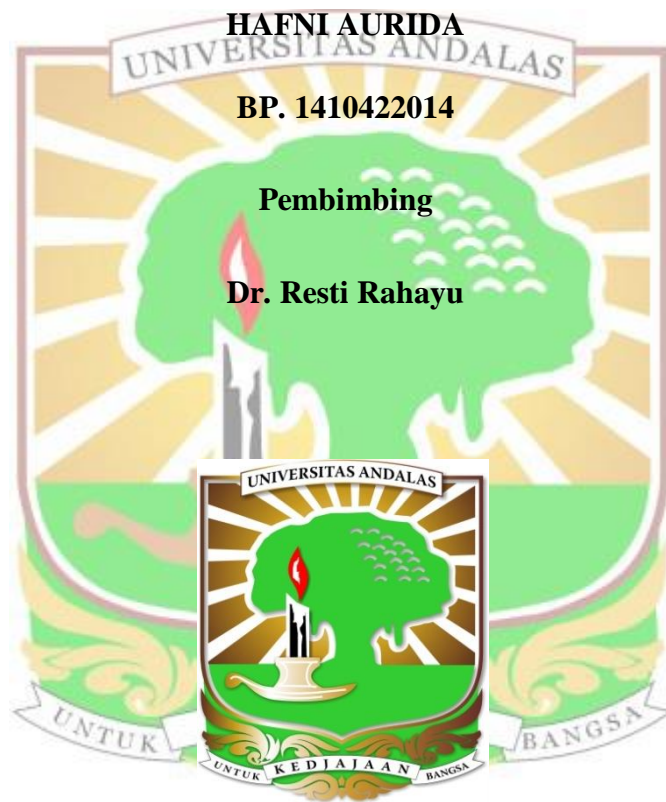
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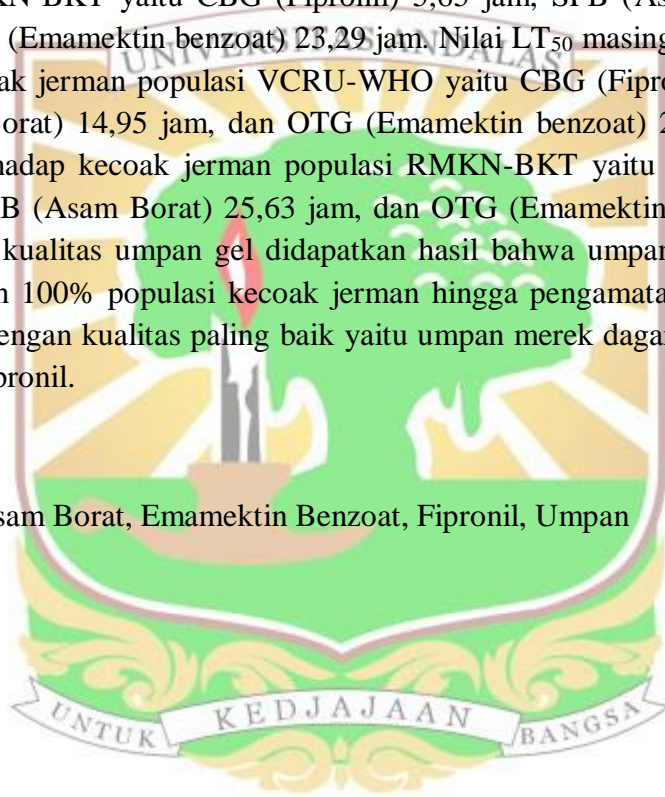
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ABSTRAK

Penelitian Efektivitas Berbagai Insektisida Umpan Gel Komersial sebagai Pengendali Populasi Kecoak Jerman (*Blattella germanica* L.) telah dilakukan sejak Januari sampai Juli 2018 menggunakan metode Eksperimental dengan menggunakan populasi kecoak jerman VCRU-WHO dan RMKN-BKT. Didapatkan nilai KT_{50} masing-masing umpan terhadap kecoak jerman populasi VCRU-WHO yaitu CBG (Fipronil) 3,09 jam, SPB (Asam Borat) 3,43 jam, dan OTG (Emamektin benzoat) 22,28 jam, serta nilai KT_{50} terhadap kecoak jerman populasi RMKN-BKT yaitu CBG (Fipronil) 5,65 jam, SPB (Asam Borat) 4,48 jam, dan OTG (Emamektin benzoat) 23,29 jam. Nilai LT_{50} masing-masing umpan terhadap kecoak jerman populasi VCRU-WHO yaitu CBG (Fipronil) 14,96 jam, SPB (Asam Borat) 14,95 jam, dan OTG (Emamektin benzoat) 25,63 jam, serta nilai LT_{50} terhadap kecoak jerman populasi RMKN-BKT yaitu CBG (Fipronil) 23,42 jam, SPB (Asam Borat) 25,63 jam, dan OTG (Emamektin benzoat) 33,27 jam. Pada uji kualitas umpan gel didapatkan hasil bahwa umpan masih mampu mengendalikan 100% populasi kecoak jerman hingga pengamatan minggu ke-4, serta umpan dengan kualitas paling baik yaitu umpan merek dagang CBG dengan bahan aktif Fipronil.

Kata kunci: Asam Borat, Emamektin Benzoat, Fipronil, Umpan



ABSTRACT

Research on the Effectiveness of Various commercial Baiting Gel as population Controls for German Cockroach (*Blattella germanica* L.) has been carried out from January to July 2018 using Experimental methods using the German Cockroach population of VCRU-WHO and RMKN-BKT. KT_{50} values were obtained for each feed on VCRU-WHO is CBG (Fipronil) 3,09 hours, SPB (Asam Borat) 3,43 hours, and OTG (Emamektin benzoat) 22,28 hours, as well as KT_{50} values for VCRU-WHO is CBG (Fipronil) 5,65 hours, SPB (Asam Borat) 4,48 hours, and OTG (Emamektin benzoat) 23,29 hours. The value of KT_{50} of each feed on VCRU-WHO are CBG (Fipronil) 14,96 hours, SPB (Asam Borat) 14,95 hours, and OTG (Emamektin benzoat) 25,63 hours, and KT_{50} of each feed on RMKN-BKT are CBG (Fipronil) 23,42 hours, SPB (Asam Borat) 23,63 hours, and OTG (Emamektin benzoat) 33,27 hours. The baiting gel quality test showed that the bait was still able to control 100% of German Cockroach population until the 4th week of observation, and the best quality of baiting gel is CBG with Fipronil active ingredients

Keywords: Boric acid, Emamectin Benzoate, Fipronil, Baiting Gel

