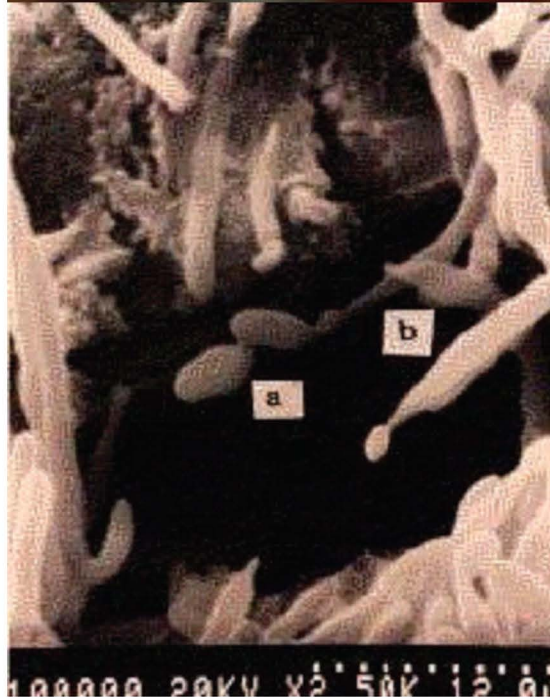


209. Biopestisida Berbahan Aktif *Beauveria Bassiana* *Biopesticides with Beauveria Bassiana* *as Active Ingridients*

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Hama wereng coklat dan wereng punggung putih merupakan hama global telah banyak menyerang tanaman padi di Indonesia dan berdampak pada penurunan produksi padi nasional. Pengendalian wereng coklat/wereng punggung putih lazim menggunakan varietas tahan dan insektisida. Namun, ketahanan varietas dapat segera patah akibat perubahan biotipe wereng coklat, sehingga perlu insektisida manjur dan ramah lingkungan.

Biopestisida ini merupakan formula kering entomopatogenik *Beauveria bassiana* (BB). Efektifitasnya mematikan wereng coklat mencapai 75-80% dan 96.6% wereng punggung putih. Formula BB tahan di suhu kamar sampai 7 bulan.

Biopestisida ini potensial dikembangkan oleh industri biopestisida, terutama untuk pengembangan pertanian organik berbasis padi.



Brown planthopper and white-backed planthopper is a global pest of rice crops having attacked in Indonesia and resulted in a decrease national rice production. Controlling of brown planthopper / white-backed planthopper commonly use of resistant varieties and insecticides. However, the resistance of varieties can be broken due to changes in biotype of brown planthopper, so we need effective and environmentally friendly insecticides.

This biopesticide is a dry formula of Entomophatogenic Beauveria bassiana (BB). The effectiveness of killing brown planthopper reaches 75-80% and 96.6% for white-backed planthopper. BB formula can be stored at room temperature for seven months.

This biopesticide is potential to be commercially developed by biopesticide industry, mainly for the development of rice-based organic farming.