



TEKNOLOGI INOVATIF PERTANIAN



**BADAN PENELITIAN DAN PENGEMBANGAN PERTANIAN
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Ratel: Fumigan Bersumbu

Ratel : Fumigant for Rat

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Status Perlindungan HKI : IDP000037647

IPR Protection Status : IDP000037647



Fumigan Ratel diaplikasikan untuk membasmi tikus yang menyerang tanaman padi atau tanaman lainnya. Fumigan berupa tabung dengan panjang 12 cm dan diameter 1,5 cm. Salah satu ujungnya dilengkapi dengan sumbu untuk membakar ramuan fumigan dan ujung yang lain tertutup rapat.

Ratel mampu menekan populasi tikus hingga 90% dari jumlah sarang aktif, atau 1,5 kali lebih efektif dibandingkan empasan.

Pembakaran fumigan Ratel akan menimbulkan asap putih, semburan api, dan asap racun di dalam liang tikus.

Teknologi ini sangat diperlukan oleh petani untuk membasmi tikus sehingga prospektif dikembangkan secara komersial.



Ratel fumigant is a tool which was developed to fumigate rats that attack rice and other crops, while the rats were in their nests. The tool is composed of a tube with a length of 12 cm and a diameter of 1.5 cm. One end of this tube is equipped with a fuse to burn the herb. This herb serves as materials when it is burnt will produce toxic smoke.

The other end of a tube is sealed. Ratel is able to suppress populations of rats up to 90% of the number of active nests, or 1.5 times more effective than the smoke blower.

Burning dry herb materials in rat nests will cause flame then followed by white smoke which is poisonous for rats that reside in a burrow.

This technology is needed by farmers to eradicate rats in the wetland area.