



**TEKNOLOGI
INOVATIF
PERTANIAN**



**BADAN PENELITIAN DAN PENGEMBANGAN PERTANIAN
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Fero-PBPK *PBPK Pheromone*

Inventor : I Made Samudera, Harnoto,
Dodin Koswanudin, dan Rafika Yuniawati
Balai Besar Penelitian dan Pengembangan Bioteknologi
dan Sumberdaya Genetik Pertanian
*Indonesian Center for Agricultural Biotechnology
and Genetic Resources Research and Development*

Fero-PBPK bermanfaat untuk menanggulangi hama penggerek batang padi kuning *Scirpophaga incertulas* di persemaian hingga pertanaman. Feromon ini mengandung bahan aktif Z-11 dan Z-9-heksadecenal, dan bersifat seks atraktan terhadap imago penggerek batang padi kuning. Fero-PBPK dapat digunakan sebagai umpan pada alat perangkap berair, maupun sebagai alat monitoring dan pengendali masal serangga hama tersebut. Teknologi ini dipasang mulai saat tanam, 12-18 buah per hektar tanaman padi.

Fero-PBPK adalah efektif menurunkan populasi hama, efisien, ramah lingkungan, tidak beracun, tidak membunuh musuh alami, mudah digunakan, dan tidak membahayakan organisme bukan sasaran. Penurunan populasi serangga penggerek batang padi kuning dengan teknologi Fero-PBPK nyata menurunkan kerusakan padi. Fero-PBPK telah dilisensi oleh PT Tektonindo Henida Jaya selama 5 tahun (2017-2022).

PBPK Pheromone is useful to cope with rice pest Scirpophaga incertulas, the yellow rice stem borer. The pest infested young seedling in the nursery until the rice plant is planted. The active chemical compounds of these pheromones are Z-11 and Z-9-heksadecenal, a sex attractant for adult yellow rice stem borer. PBPK pheromone can be used as bait in a trap provided with water, and as a mean for monitoring and controlling the insect pests. The trap having pheromone inside was installed in the rice field starting at planting time, 12-18 traps per hectare.

PBPK Pheromone is effective in reducing pest populations, environmentally safe, non-toxic, and target specific as it does not kill other pests and natural enemies. The technique is practical and easy to handle. The insect populations of yellow rice stem borer decline with the application of PBPK Pheromone. PBPK Pheromone has been licensed by PT Tektonindo Henida Jaya for 5 years (2017-2022).

