

Horticultural research cooperation between Indonesia and the Netherlands - HORTIN

Project FRUITFLY - Fruit fly control in Indonesia

Proyek FRUITFLY - Pengendalian hama lalat buah di Indonesia

Fruit flies (*Bactrocera* spp.) cause severe damage to tropical fruits. The aim of the research project is to develop and implement effective control measures.

We are addressing the following questions: (1) What kind of fruitfly species are present in important fruit crops? (2) What control measures are available for these species? (3) Can we implement these control measures in the local situation?

Control methods to consider are: (1) Practicing good crop hygiene: removal of fallen and over-ripe fruits. (2) Male annihilation: trapping of male insects with specific attractants and traps. (3) Protein bait sprays: combination of food attractant and pesticide.

Lalat buah (*Bactrocera* spp.) adalah salah satu hama penting pada tanaman buah di daerah tropis. Tujuan dari penelitian ini adalah untuk mengetahui dan mencari cara pengendalian hama lalat buah yang efektif.

Beberapa hal yang perlu diketahui adalah: (1) Jenis lalat buah penting yang menyerang tanaman buah? (2) Cara pengendalian yang tersedia untuk mengendalikan hama ini? (3) Dapatkah cara pengendalian tersebut diimplementasikan pada kondisi lokal?

Metoda pengendalian harus mempertimbangkan: (1) Menjaga kebersihan lahan tanaman; buang buah yang jatuh dan yang terlalu masak. (2) Memusnahkan serangga jantan; menangkap serangga jantan dengan menggunakan perangkat yang didalamnya diberi bahan attraktan. (3) Menggunakan umpan berupa protein hidrolisa: kombinasi antara food attraktan dengan pestisida.



Partners/Institusi yang terlibat

- Indonesian Fruit Research Institute (IFRUI), Solok
- Plant Research International (PRI), Wageningen

Contact/Informasi lebih lanjut, hubungi

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Projects

Fruit fly control in Indonesia (FRUITFLY)

Revitalising Indonesian garlic agriculture (GARLIC)

Managing a field collection of tropical ornamentals (GENEBANK)

Introduction of haploid technologies in Indonesia (HAPLIN)

Increasing mushroom production in Indonesia (MUSHROOM)

Sustainable tropical plastic house flower production systems (PROTFLOW)

Sustainable tropical plastic house vegetable production systems (PROTVEG1)

Protected cultivation of vegetables and Integrated Pest Management (PROTVEG2)

Product safety and quality management in vegetable production systems (QUALITY)

Managing the most important seed-borne diseases of vegetables in Indonesia (SEEDS)



HORTIN is sponsored by IAARD of the Ministry of Agriculture, Indonesia and the Ministry of Agriculture, Nature and Food Quality, the Netherlands.