RESEARCH FOR SUPPORTING INTEGRATED PESTS AND DISEASES CONTROL OF MANGO IN INDONESIA

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ABSTRACT

Pests and diseases attacks are barriers that have impacted mango production and quality in Indonesia. Economic losses due to detrimental production and quality has been estimated between 31.4 – 47.5% which amounted to 10,335 – 13,504 billion rupiah per year. Fruit fly, thrips, leafhopper, anthracnose, and stem end root (SER) were the most harmful in reducing farmers revenue. To support the sustainable production and quality of mango, a series of safety, healthy and eco-friendly research to cope with the problems was conducted by Indonesian Agency for Agricultural Research and Development (IAARD). The results were some technologies released and extended to the farmers i.e. Area-Wide Management (AWM) to control fruit fly on mango, integrated thrips and leafhoppers management, and eco-friendly anthracnose and stem end root control.

Keywords: mango, pests and diseases, Indonesia