

## **ABSTRAK**

# **PENGARUH KARAKTERISTIK PETANI, PERAN KELOMPOK TANI DAN PENYULUH TERHADAP ADOPSI TEKNOLOGI PENGENDALIAN OPT TERPADU PADA BUDIDAYA PADI SAWAH**

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Teknologi Pengendalian Organisme Pengganggu Tanaman (OPT) terpadu merupakan salah satu upaya untuk meningkatkan produktivitas padi sawah secara berkelanjutan dan ramah lingkungan. Namun, tingkat adopsi teknologi pengendalian OPT terpadu oleh petani masih belum optimal dan dipengaruhi oleh berbagai faktor. Penelitian ini bertujuan untuk menganalisis pengaruh karakteristik petani, peran kelompok tani, dan peran penyuluh terhadap adopsi teknologi pengendalian OPT terpadu pada budidaya padi sawah. Penelitian ini dilaksanakan di Desa Cibatuireng dan Desa Sarimukti, Kecamatan Karangnunggal Kabupaten Tasikmalaya. Data yang digunakan terdiri dari data primer dan data sekunder. Metode penelitian yang digunakan adalah metode survei dengan jumlah responden sebanyak 94 petani padi sawah yang tergabung dalam kelompok tani. Alat analisis yang digunakan meliputi analisis deskriptif dan analisis regresi linear berganda. Hasil penelitian menunjukkan bahwa secara simultan karakteristik petani, peran kelompok tani, dan peran penyuluh berpengaruh signifikan terhadap adopsi teknologi pengendalian OPT terpadu. Secara parsial, karakteristik petani seperti pendidikan formal, pendidikan non formal, pengalaman berusaha, jumlah tanggungan serta peran kelompok tani dan peran penyuluh berpengaruh signifikan terhadap adopsi teknologi pengendalian OPT terpadu, sedangkan karakteristik petani seperti umur dan luas lahan tidak berpengaruh signifikan. Hal ini menunjukkan bahwa faktor karakteristik petani, kelembagaan dan pendampingan memiliki peran penting dalam mendorong adopsi teknologi pengendalian OPT terpadu pada petani padi sawah di Kecamatan Karangnunggal.

**Kata Kunci:** Adopsi Teknologi, OPT Terpadu, Kelompok Tani, Penyuluh

## ABSTRACT

### ***THE INFLUENCE OF FARMER CHARACTERISTICS, THE ROLE OF FARMER GROUPS AND EXTENSION WORKERS ON THE ADOPTION OF INTEGRATED PEST MANAGEMENT TECHNOLOGY IN RICE CULTIVATION***

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*Integrated Pest Management (IPM) technology is one of the efforts to increase the productivity of irrigated rice in a sustainable and environmentally friendly manner. However, the adoption rate of IPM technology by farmers is still not optimal and is influenced by various factors. This study aims to analyze the influence of farmer characteristics, the role of farmer groups, and the role of extension workers on the adoption of integrated pest management (IPM) technology in irrigated rice cultivation. This study was conducted in Cibatuireng Village and Sarimukti Village, Karangnunggal Subdistrict, Tasikmalaya Regency. The data used consisted of primary and secondary data. The research method used was a survey method with a total of 94 paddy farmers who are members of farmer groups as respondents. The analytical tools used included descriptive analysis and multiple linear regression analysis. The results showed that, simultaneously, farmer characteristics, the role of farmer groups, and the role of extension workers had a significant effect on the adoption of integrated pest management (IPM) technology. Partially, farmer characteristics such as formal education, non-formal education, farming experience, and number of dependents, as well as the roles of farmer groups and extension workers, significantly influence the adoption of integrated pest management (IPM) technology, whereas farmer characteristics such as age and land area do not significantly influence it. This indicates that farmer characteristics, institutional factors, and extension services play a significant role in promoting the adoption of integrated pest management (IPM) technologies among irrigated rice farmers in Karangnunggal Subdistrict.*

*Keywords: Technology Adoption, Integrated OPT, Farmer Groups, Extension Workers*