

## ABSTRAK

### HUBUNGAN ANTARA KARAKTERISTIK DAN PERSEPSI PETANI DENGAN PENERAPAN SISTEM JAJAR LEGOWO PADI DI DESA RAHARJA KECAMATAN PURWAHARJA KOTA BANJAR

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Tujuan Penelitian ini untuk mengetahui karakteristik petani, persepsi petani, dan penerapan sistem jajar legowo padi serta menganalisis hubungan antara karakteristik dan persepsi petani dengan penerapan sistem jajar legowo padi. Penelitian ini dilaksanakan di Desa Raharja, Kecamatan Purwaharja, Kota Banjar pada Desember 2024 sampai Juni 2025. Metode survei digunakan dengan populasi 223 orang dan sampel 69 orang yang diambil secara *Proportionate Random Sampling*. Variabel karakteristik, persepsi, dan penerapan dianalisis secara deskriptif, sedangkan hubungan antar variabel diuji menggunakan uji Konkordansi Kendall W secara simultan dan uji Rank Spermman secara parsial. Hasil karakteristik petani menunjukkan mayoritas petani termasuk petani *baby boomer* (59-77 tahun), tergolong sangat berpengalaman, berpendidikan SD-SMP/MTs, berstatus pemilik dan penggarap lahan, dan memiliki lahan sempit. Persepsi petani terhadap sistem jajar legowo tergolong baik. Penerapan sistem jajar legowo tergolong baik. Analisis parsial mengungkapkan adanya hubungan antara karakteristik petani dengan penerapan sistem jajar legowo padi serta antara persepsi petani dengan penerapan sistem jajar legowo padi di Desa Raharja. Analisis simultan menunjukkan terdapat hubungan antara karakteristik dan persepsi petani dengan penerapan sistem jajar legowo padi dengan tingkat keeratan yang cukup kuat. Berdasarkan temuan ini, peneliti menyarankan pelatihan pembuatan pupuk organik, kelanjutan penerapan sistem jajar legowo, serta peningkatan akses terhadap alat dan mesin pertanian yang mendukung sistem jajar legowo.

Kata Kunci: Karakteristik Petani, Persepsi Petani, Penerapan Sistem Jajar Legowo Padi.

## **ABSTRACT**

### ***THE RELATIONSHIP BETWEEN CHARACTERISTICS AND FARMERS' PERCEPTION WITH THE IMPLEMENTATION OF THE JAJAR LEGOWO RICE SYSTEM IN RAHARJA VILLAGE, PURWAHARJA DISTRICT, BANJAR CITY***

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*The aim of this study is to identify the characteristics of farmers, their perceptions, and the implementation of the jajar legowo rice planting system, as well as to analyze the relationship between farmers' characteristics and perceptions with the application of the jajar legowo system. The research was conducted in Raharja Village, Purwahasarja District, Banjar City, from December 2024 to June 2025. A survey method was used with a population of 223 farmers and a sample of 69, selected through Proportionate Random Sampling. The variables of characteristics, perceptions, and application were analyzed descriptively, while the relationships among variables were tested using Kendall's *W* Concordance test (simultaneously) and Spearman's Rank test (partially). The results showed that most farmers were baby boomers (aged 59–77), highly experienced, had elementary to junior high school education, owned and cultivated their land, and managed small plots. Farmers' perceptions of the jajar legowo system were generally positive, and its implementation was considered good. Partial analysis revealed a relationship between farmers' characteristics and the application of the jajar legowo system, as well as between their perceptions and its application in Raharja Village. Simultaneous analysis indicated a fairly strong relationship between characteristics and perceptions with the implementation of the system. Based on these findings, the researcher recommends training in organic fertilizer production, continued application of the jajar legowo system, and improved access to agricultural tools and machinery that support the system.*

**Keywords:** *Farmer Characteristics, Farmer Perception, Implementation of the Jajar Legowo Rice System.*