

ABSTRAK

PERSEPSI ANGGOTA KELOMPOK TANI TERHADAP EFEKTIVITAS PROGRAM BANTUAN ALSINTAN (ALAT MESIN PERTANIAN) POMPA AIR DI KECAMATAN PURBOLINGGO

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Pertanian merupakan sektor utama yang mendukung perekonomian nasional, khususnya di wilayah pedesaan, namun masih menghadapi kendala berupa keterbatasan sarana dan prasarana produksi. Untuk mengatasi hal tersebut, pemerintah melalui Kementerian Pertanian menyalurkan program bantuan alat dan mesin pertanian (alsintan), salah satunya berupa pompa air, dengan tujuan meningkatkan efisiensi, efektivitas, dan produktivitas usaha tani. Penelitian ini bertujuan untuk mengetahui persepsi anggota kelompok tani terhadap efektivitas bantuan pompa air, mengidentifikasi faktor-faktor yang memengaruhi persepsi, serta menganalisis efektivitas pemanfaatan pompa air dalam mendukung kegiatan pertanian di Kecamatan Purbolinggo, Kabupaten Lampung Timur. Metode penelitian yang digunakan adalah survei dengan pendekatan kuantitatif deskriptif serta analisis korelasi Rank Spearman untuk menguji hubungan antar variabel. Sampel penelitian ditentukan secara sensus, yaitu seluruh anggota dari tiga kelompok tani aktif dengan jumlah responden sebanyak 48 orang. Variabel penelitian meliputi faktor internal (umur, pendidikan formal, motivasi, dan pengalaman) serta faktor eksternal (lingkungan sosial dan kesesuaian alat). Hasil penelitian menunjukkan bahwa persepsi anggota kelompok tani terhadap program bantuan pompa air berada dalam kategori positif. Tingkat efektivitas pemanfaatan pompa air dikategorikan cukup efektif, dengan kontribusi nyata dalam memperlancar kegiatan pengairan, mempercepat proses tanam, serta meningkatkan produktivitas lahan. Faktor-faktor seperti umur, pendidikan formal, motivasi, pengalaman, kesesuaian alat, dan lingkungan sosial terbukti memiliki hubungan signifikan dengan persepsi petani. Penelitian ini menegaskan bahwa persepsi yang positif berperan penting dalam menentukan tingkat keberhasilan pemanfaatan bantuan alsintan. Temuan ini menegaskan pentingnya distribusi bantuan yang disertai pelatihan, pendampingan teknis, dan penguatan kelembagaan agar efektivitas program lebih optimal dan berkelanjutan.

Kata kunci: persepsi, kelompok tani, alsintan, efektivitas, pompa air

ABSTRACT

FARMER GROUP MEMBERS' PERCEPTIONS OF THE EFFECTIVENESS OF THE WATER PUMP AGRICULTURAL MACHINERY ASSISTANCE PROGRAM IN PURBOLINGGO DISTRICT

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Agriculture is a major sector that sustains Indonesia's national economy, particularly in rural areas, yet it continues to face challenges such as limited production facilities and infrastructure. To address these issues, the Ministry of Agriculture has introduced an agricultural machinery assistance program, including water pumps, aimed at enhancing farming efficiency, effectiveness, and productivity. This study seeks to examine farmer group members' perceptions of the water pump assistance program, identify the influencing factors, and analyze its effectiveness in supporting agricultural activities in Purbolinggo District, East Lampung Regency. The research employed a descriptive quantitative survey method combined with Rank Spearman correlation analysis to assess the relationships among variables. The sample was determined through a census of three active farmer groups, resulting in 48 respondents. The study variables included internal factors (age, formal education, motivation, and farming experience) and external factors (social environment and tool suitability). The findings indicate that farmers' perceptions of the water pump assistance program are generally positive. The effectiveness of water pump utilization was categorized as moderately effective, contributing significantly to irrigation management, accelerating planting cycles, and improving land productivity. Factors such as age, education level, motivation, experience, tool suitability, and social environment were found to have significant correlations with farmers' perceptions. These results highlight that positive perceptions are critical in ensuring the successful adoption and utilization of agricultural machinery assistance. These findings emphasize the importance of complementing equipment distribution with training, technical assistance, and institutional strengthening to enhance program effectiveness and sustainability.

Keywords: *perception, farmer groups, agricultural machinery, effectiveness, water pump*