

ABSTRAK

ANALISA PENGARUH PERAN PERKUMPULAN PETANI PEMAKAI AIR (P3A) TERHADAP KINERJA SISTEM IRIGASI DI KOMERING

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Penelitian ini bertujuan untuk menganalisis pengaruh peran Perkumpulan Petani Pemakai Air (P3A) terhadap kinerja sistem irigasi di Daerah Irigasi (DI) Komerling. P3A sebagai lembaga pengelola irigasi tingkat petani memiliki peran penting dalam keberlanjutan sistem irigasi melalui kegiatan operasi dan pemeliharaan, distribusi air, serta pemberdayaan petani dalam pengelolaan air. Metode penelitian yang digunakan adalah pendekatan kuantitatif dengan teknik survei menggunakan kuesioner kepada 81 responden yang merupakan anggota P3A dan petani pengguna air di DI Komerling. Data dianalisis menggunakan regresi linier berganda untuk mengetahui pengaruh variabel peran P3A (X) terhadap kinerja sistem irigasi (Y).

Hasil penelitian menunjukkan bahwa peran P3A berpengaruh positif dan signifikan terhadap kinerja sistem irigasi di DI Komerling. Semakin baik peran P3A dalam pengelolaan distribusi air, pemeliharaan jaringan irigasi, dan partisipasi petani, maka semakin baik pula kinerja sistem irigasi yang tercermin dari kontinuitas air, ketepatan distribusi, dan kondisi fisik jaringan irigasi. Temuan ini menunjukkan bahwa pemberdayaan P3A perlu terus ditingkatkan sebagai upaya menjaga keberlanjutan sistem irigasi di wilayah DI Komerling.

Kata Kunci: P3A, kinerja sistem irigasi, distribusi air, DI Komerling.

ABSTRACT

ANALYSIS OF THE INFLUENCE OF THE ROLE OF WATER USER FARMER ASSOCIATIONS (P3A) ON THE PERFORMANCE OF THE DI. KOMERING

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This study aims to analyze the influence of the role of the Water User Farmers Association (P3A) on the performance of the irrigation system in the Komerling Irrigation Area (DI). P3A as an irrigation management institution at the farmer level has an important role in the sustainability of the irrigation system through operation and maintenance activities, water distribution, and farmer empowerment in water management. The research method used is a quantitative approach with a survey technique using a questionnaire to 81 respondents who are members of P3A and water user farmers in DI Komerling. Data were analyzed using multiple linear regression to determine the effect of the P3A role variable (X) on the performance of the irrigation system (Y).

The results showed that the role of P3A had a positive and significant effect on the performance of the irrigation system in DI Komerling. The better the role of P3A in managing water distribution, irrigation network maintenance, and farmer participation, the better the performance of the irrigation system as reflected in the continuity of water, distribution accuracy, and physical condition of the irrigation network. This finding indicates that P3A empowerment needs to be continuously improved as an effort to maintain the sustainability of the irrigation system in the DI Komerling area.

Keywords: P3A, irrigation system performance, water distribution, DI Komerling.