

ABSTRACT

PERFORMANCE ASSESSMENT OF IRRIGATION SYSTEM ON TERTIARY IRRIGATION NETWORK OF JABUNG IRRIGATION AREA EAST LAMPUNG REGENCY

By

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Jabung Irrigation Area is one of the irrigation areas located in East Lampung Regency with an area of 7,288 hectares. Jabung Irrigation Area has a problem of uneven water distribution. This problem occurs in the downstream area due to damage to physical infrastructure, especially in tertiary irrigation canals, and sub-optimal operation and maintenance activities. Therefore, based on the Minister of Public Works and Housing Regulation No. 12/PRT/M/2015 concerning the Exploitation and Maintenance of Irrigation Networks, a study was conducted on determining the Irrigation System Performance Index (IKSI) of the tertiary network in the Jabung Irrigation Area. The purpose of this study is to assess the performance of the tertiary irrigation system of the Jabung Irrigation Area which is useful for formulating follow-up programs such as repair, rehabilitation, and maintenance of the irrigation network. The research method was carried out using a qualitative descriptive method and direct assessment in the field as well as interviews. The assessment covers 6 aspects, namely the condition of physical infrastructure, crop productivity, supporting facilities, personnel organization, documentation, and Farmers' Water Users Association (P3A). The results showed that the performance of the tertiary irrigation network in the Jabung Irrigation Area is in good condition (70,54%).

Keywords: Irrigation; irrigation infrastructure; Irrigation System Performance Index (IKSI)

ABSTRAK

PENILAIAN KINERJA SISTEM IRIGASI PADA JARINGAN IRIGASI TERSIER DAERAH IRIGASI JABUNG KABUPATEN LAMPUNG TIMUR

Oleh

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Daerah Irigasi Jabung merupakan salah satu daerah irigasi yang berada di Kabupaten Lampung Timur dengan luas 7.288 ha. Daerah Irigasi Jabung mengalami permasalahan dalam pembagian air yang tidak merata. Permasalahan ini terjadi di bagian hilir karena kerusakan prasarana fisik, terutama pada saluran irigasi tersier, dan kurang optimalnya kegiatan operasi dan pemeliharaan. Oleh karena itu, berdasarkan Peraturan Menteri PUPR No.12/PRT/M/2015 tentang Eksploitasi dan Pemeliharaan Jaringan Irigasi dilakukan penelitian mengenai penentuan Indeks Kinerja Sistem Irigasi (IKSI) jaringan tersier pada Daerah Irigasi Jabung. Tujuan dari penelitian ini untuk melakukan penilaian tentang kinerja sistem irigasi tersier Daerah Irigasi Jabung yang berguna untuk menyusun program tindak lanjut seperti perbaikan, rehabilitasi, dan pemeliharaan jaringan irigasi. Metode penelitian dilakukan dengan metode kualitatif deskriptif dan penilaian langsung di lapangan serta wawancara. Penilaian yang dilakukan meliputi 6 aspek yaitu kondisi prasarana fisik, produktivitas tanam, sarana penunjang, organisasi personalia, dokumentasi, dan Perkumpulan Petani Pemakai Air (P3A). Hasil yang diperoleh menunjukkan kinerja jaringan irigasi tersier Daerah Irigasi Jabung dalam kondisi baik (70,54%).

Kata Kunci: irigasi; prasarana irigasi; Penilaian Indeks Kinerja Sistem Irigasi (IKSI)