

ABSTRAK

ANALISA PENILAIAN INDEKS KINERJA SISTEM IRIGASI (IKSI) DAERAH IRIGASI KOMERING BERBASIS APLIKASI e-PAKSI DAN WEBSITE

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Penelitian ini bertujuan untuk mengetahui kondisi kinerja prasarana fisik jaringan irigasi Daerah Irigasi Komering berdasarkan hasil penilaian IKSI menggunakan aplikasi e-PAKSI dan Website serta Menganalisa perbandingan hasil penilaian bangunan pada saluran pembawa menggunakan aplikasi e-PAKSI dan penilaian secara manual. Berdasarkan hasil penilaian IKSI Daerah Irigasi (D.I) Komering dapat disimpulkan bahwa Bobot final kinerja prasarana fisik D.I Komering sebesar 29,33% dari 45,00% nilai maksimum yang ditetapkan. Dari hasil bobot maka kondisi prasarana fisik Daerah Irigasi Komering dengan jumlah Saluran 2,296 dan bangunan 4,757 nilai IKSI prasarana fisik yaitu 65,18%. Nilai ini masuk dalam bobot interval (55 – 69%) yang termasuk dalam kriteria irigasi dengan” Kinerja Kurang dan Perlu Perhatian”. Dari hasil sampel penilaian Bangunan Sadap Bantan 9 (BBT.9) dengan menggunakan aplikasi e-PAKSI dan penilaian secara manual PU, maka penilaian dengan menggunakan aplikasi e-PAKSI dihasilkan nilai 30,13% (kategori jelek) dan penilaian menggunakan metode manual PU di hasilkan nilai 30% (kategori jelek), deviasi pada penilaian e-PAKSI dan Manual PU sebesar 0,13%. Sehingga Daerah Irigasi Komering membutuhkan pemeliharaan berkala yang bersifat perbaikan secara signifikan.

Kata kunci: IKSI, e-PAKSI, Daerah Irigasi Komering, prasarana irigasi, kinerja irigasi.

ABSTRACT

ANALYSIS OF THE IRRIGATION SYSTEM PERFORMANCE INDEX (IKSI) ASSESSMENT OF THE KOMERING IRRIGATION AREA BASED ON THE E- PAKSI APPLICATION AND WEBSITE

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This study aims to determine the performance condition of the physical infrastructure of the Komering Irrigation Area irrigation network based on the results of the Irrigation System Performance Index (IKSI) assessment using the e-PAKSI application and website, as well as to analyze the comparison of building assessment results on conveyance canals using the e-PAKSI application and manual assessment methods. Based on the IKSI assessment results for the Komering Irrigation Area (D.I. Komering), it can be concluded that the final weight of the physical infrastructure performance of D.I. Komering is 29.33% of the established maximum value of 45.00%. Based on this weighting, the condition of the physical infrastructure of the Komering Irrigation Area, with a total of 2,296 canals and 4,757 structures, has a physical infrastructure IKSI value of 65.18%. This value falls within the weighting interval of 55–69%, which is classified as irrigation infrastructure with “Poor Performance and Requiring Attention.”. From the sample assessment results of the Bantan 9 Intake Structure (BBT.9) using the e-PAKSI application and manual Public Works (PU) assessment, the assessment using the e-PAKSI application resulted in a value of 30.13% (poor category), while the assessment using the manual PU method resulted in a value of 30% (poor category). The deviation between the e-PAKSI and manual PU assessments is 0.13%. Therefore, the Komering Irrigation Area requires periodic maintenance involving significant corrective improvements.

Keywords: IKSI, e-PAKSI, Komering Irrigation Area, irrigation infrastructure, irrigation performance.