

**PENILAIAN KINERJA SISTEM IRIGASI POMPA
DI WILAYAH GAPOKTAN KECAMATAN TEMAYANG
KABUPATEN BOJONEGORO PROVINSI JAWA TIMUR**

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INTISARI

Pengelolaan air irigasi dimaksudkan supaya pemberian air untuk tanaman bisa tepat, efektif, dan efisien. Penelitian ini dilakukan pada jaringan utama di Wilayah Gapoktan Kecamatan Temayang Kabupaten Bojonegoro pada tanggal 22 Oktober-2 November 2014. Tujuan dari penelitian ini untuk mengetahui kinerja irigasi pompa pada daerah irigasi pompa. Kinerja sistem irigasi pompa dalam penelitian ini diukur dengan *Comparative Indicators* yaitu: (i) *Relative Water Supply* (RWS), (ii) *Relative Irrigation Supply* (RIS), (iii) *Return On Investment* (ROI), (iv) Produktivitas air, dan (v) Produktivitas lahan.

Nilai RWS rata-rata pada MT I sebesar 1,50 yang menunjukkan kelebihan air, pada MT II sebesar 0,87 yang menunjukkan kekurangan air, sedangkan pada MT III sebesar 2,32 yang menunjukkan kelebihan air. Nilai RIS pada MT I sebesar -3,17 yang menunjukkan tidak perlunya pengaliran air irigasi, pada MT II sebesar 0,75 yang menunjukkan kekurangan pasokan air irigasi, pada MT III sebesar 2,57 yang menunjukkan tingkat kecukupan air irigasi yang dialirkan mengalami kelebihan. Nilai ROI paling menguntungkan ada pada MT I sebesar 297,87%. Air irigasi paling produktif ada pada MT III dimana setiap m³ air menghasilkan 1,95 kg panen. Lahan paling produktif ada pada MT I dengan nilai 4,28 ton/ha.

Kata kunci: Irigasi, Kinerja Sistem Irigasi, Pasokan Air, Produktivitas

**PERFORMANCE ASSESSMENT OF PUMP IRRIGATION SYSTEM
IN FARMER GROUP'S AREA OF TEMAYANG SUB DISTRICT
BOJONEGORO DISTRICT EAST JAVA PROVINCE**

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ABSTRACT

Irrigation management aims to provide appropriate, effective, and efficient water for crops. This research was conducted in the farmer groups area of Temayang Sub District from October 22nd to November 2nd, 2014. The objective of this research was to asses performances of pump irrigation sistem. The performances was assessed using Comparative Indicators, namely: (i) Relative Water Supply (RWS), (ii) Relative Irrigation Supply (RIS), (iii) Return On Investment (ROI), (iv) Water Productivity, and (v) Land Productivity.

The RWS value of 1st, 2sd, and 3rd planting seasons were 1.50, 0.87, and 2.32 respectively. This showed that in the 1st and 3rd planting seasons water were abundant while. In the 2nd planting season there was lack of water. The RIS value of 1st, 2sd, and 3rd planting seasons were -3.17, 0.75, and 2.57 respectively. This indicated that irrigation was not required in the 1st planting season but irrigation was not sufficient in the 2nd planting season. The most profitable ROI value is in 1st planting season amounted to 297.87%. Water productivity was the highest in the 3rd planting season when farms produced 1.95 kg/m³ of water. Whole land productivity was maximum in the 1st planting season with 4.28 ton/ha produktion.

Keywords: Irrigation, Irrigation System Performance, Water Supply, Productivity