

## **ABSTRAK**

### **ANALISIS KELAYAKAN FINANSIAL POMPA AIR IRIGASI PADA DESA NAPAL KECAMATAN SIDOMULYO KABUPATEN LAMPUNG SELATAN**

**Oleh**

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Penelitian ini bertujuan menganalisis kelayakan finansial dan sensitivitas pada mesin pompa air irigasi. Lokasi penelitian di Kabupaten Lampung Selatan Kecamatan Sidomulyo Desa Napal yang dipilih secara sengaja dengan pertimbangan tempat tersebut terdapat pompa air irigasi. Pengambilan data dilaksanakan pada bulan Agustus- November 2015. Penelitian ini menggunakan metode sensus dengan jumlah responden sebanyak 2 ditentukan secara sengaja. Data dianalisis secara deskriptif kuantitatif dan kualitatif. Hasil penelitian menunjukkan bahwa: (1) mesin pompa air untuk irigasi lahan pertanian layak dikembangkan dengan nilai Gross Benefit Cost (Gross B/C) 1,25, Net Benefit Cost (Net B/C) 1,60, Net Present Value (NPV) 33.002.120,93, Internal Rate Return (IRR) 23,50% dan Payback Period (PP) sebesar 4,08 untuk pompa air 1, sedangkan mesin pompa air 2 untuk irigasi menghasilkan nilai Gross Benefit Cost (Gross B/C) 1,24, Net Benefit Cost (Net B/C) 1,57, Net Present Value (NPV) 31.376.676,73, Internal Rate Return (IRR) 22,90%, dan Payback Period (PP) sebesar 4,12. (2) Mesin pompa air untuk irigasi di Desa Napal sensitif terhadap kenaikan bahan bakar solar dan biaya oli.

Kata kunci : Analisis finansial, Mesin Pompa Air Irigasi, dan Sensitifitas

## **ABSTRACT**

### **FINANCIAL FEASIBILITY ANALYSIS OF IRRIGATION WATER PUMP IN NAPAL VILLAGE, SIDOMULYO DISTRICT, SOUTH LAMPUNG REGENCY**

**By**

**Chandra Satria Putra**

This study aims to analyze the financial feasibility and sensitivity of water pump irrigation machine in Napal Village, Sidomulyo District, South Lampung Regency. The location of research is chosen purposively with the consideration that there is an irrigation water pump in that place. The data is taken in August to November 2015. This research uses census method with the number of respondents are 2 which is determined purposively. The data is analyzed by descriptive quantitative and qualitative. The results show that the water pump machine for irrigation of agricultural land is feasible to be developed with value of the Gross Benefit Cost (Gross B/C) of 1.25, the Net Benefit Cost (Net B/C) of 1.60, Net Present Value (NPV) of 33,002,120.93, Internal rate return (IRR) of 23.50 percent and Payback Period (PP) of 4.08, while the water pump 2 for irrigation value of the Gross Benefit Cost (Gross B/C) of 1.24, the Net Benefit Cost (Net B/C) of 1.57, Net Present Value (NPV) of 31,376,676.73, Internal Rate Return (IRR) of 22.90 percent, and Payback Period (PP) of 4.12. The water pump machine for irrigation in Napal Village was sensitive toward diesel fuel increment and oil cost.

**Keywords:** Financial analysis and sensitivity, irrigation water pump