INTISARI

Untuk dapat mengairi dan mengalokasikan air kesawah dibutuhkan sistem dan jaringan irigasi yang dapat berupa saluran primer,sekunder dan tersier. Tujuan tugas akhir ini adalah membahas tentang proses rehabilitasi saluran irigasi dari tahapan awal hingga tahapan akhir dengan lokasi yang dikaji adalah daerah irigasi Klegen Kabupaten Bantul DIY. Serta memperhitungkan dimensi yang aman digunakan dan menjelaskan tahap-tahap pelaksanaan pembangunan saluran.

Metode pelaksanaan kegiatan dibagi menjadi 4 kegiatan yaitu kegiatan A meliputi kegiatan persiapan, pengumpulan data sekunder, kajian awal mengenai kondisi dan fungsi prasarana dan sarana irigasi yang ada, permasalahan dan kebutuhan rehabilitasi. Kegiatan B meliputi survey dan investigasi titik – titik lokasi yang akan dilaksanakan desain rehabilitasi. Survey ini dilakukan dengan cara melakukan penelusuran jaringan irigasi. Kegiatan C meliputi kegiatan pengukuran Trace Saluran dan kegiatan D meliputi kegiatan Penyusunan system planning dan gambar desain rehabilitasi berdasarkan hasil inventarisasi.

Dari hasil analisa pada pekerjaan rehabilitasi dan pemeliharaan saluran sekunder Daerah irigasi Klegen Kabupaten Bantul diperoleh hasil didapat dimensi dengan lebar 1m, tinggi air 0,15 m dan panjang 500 m dan rencana anggaran biaya saluran daerah irigasi Klegen sebesar Rp.330.000.000,00.

ABSTRACT

To be able to irrigate the paddy and allocate water needed irrigation systems and networks that can be a primary channel, secondary and tertiary. The purpose of this thesis is about the process of rehabilitation of irrigation canals of the early stages until the final stage with the location being studied is irrigated areas Klegen Bantul Yogyakarta. And take into account the dimensions of the safe use and explain the stages of the implementation of channel development.

Method of implementation activities are divided into four activities, namely activities A includes preparation, secondary data collection, a preliminary assessment of the condition and function of irrigation infrastructure and facilities available, problems and needs rehabilitation. B activities include surveys and investigations point - point locations will be implemented rehabilitation design. The survey was conducted by means of irrigation network browsing. C activities include measurement activities and events Trace Channel D activities include preparation of system planning and design drawings rehabilitation based on the results of the inventory.

From the analysis of the work of rehabilitation and maintenance of secondary canal irrigation area Klegen Bantul obtained results obtained with the dimensions of 1m width, water height 0.15 m and a length of 500 m and a budget plan Klegen canal irrigation area of Rp.330.000.000,00.