

ANALISIS PEKERJAAN TANAH REHABILITASI SUNGAI IJO KABUPATEN BANYUMAS

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INTISARI

Sungai Ijo merupakan sumber irigasi bagi area persawahan di Kecamatan Sumpiuh, Kabupaten Banyumas. Permasalahan pada Sungai Ijo yaitu berkurangnya kapasitas sungai karena pendangkalan sungai dan tingginya sedimentasi. Solusi untuk mengatasi hal tersebut yaitu dengan melakukan rehabilitasi sungai, berupa pelaksanaan pekerjaan tanah (galian alur sungai dan timbunan).

Metode pelaksanaan galian alur sungai dilakukan secara bergantian di sisi sungai menggunakan alat berat ekskavator, dengan produktivitas sebesar 94,86 m³/jam dan besarnya biaya sewa Rp 349.790,00 / jam.

Analisis material yaitu volume hasil galian alur sungai sebesar 15.922,375 m³ dan volume timbunan tanah sebesar 3.402,375 m³. Pekerja pelaksanaan 1 orang mandor, 2 orang pekerja, 1 operator dan 1 asisten operator dengan durasi pekerjaan selama 21 hari sepanjang 1.000 meter. Biaya pelaksanaan rehabilitasi Sungai Ijo sepanjang 1.000 meter sebesar Rp 78.806.400,00.

Kata Kunci : Rehabilitasi Sungai Ijo, Galian Alur Sungai, Timbunan Tanah



**ANALYSIS OF SOIL WORK
REHABILITATION IJO'S RIVER BANYUMAS'S RESIDENCE**

ABSTRACT

Ijo's River was irrigation source for rice fields area in subdistrict of Sumpiuh, Banyumas's residence. The problem of Ijo's River is river's capacity has decreased due to the river's shallow and the height of sedimentation. The solution to handle this problem is doing rehabilitation of river, seems like that soil work (cut and fill).

Implementation method of borrow materials on river channel did by turns on the beside of river use excavator machine with productivity amount $94,86 \text{ m}^3 / \text{hour}$ and rent cost is amount Rp 349.790,00 / hour.

Analysis material is total volume of borrow materials on river channel amount $15.922,375 \text{ m}^3$ and volume of fill amount $3.402,375 \text{ m}^3$. Implementation worker is 1 mandor, 2 worker, 1 operator and 1 assistant of operator with duration activity during 21 days along 1.000 meter. The cost of rehabilitation Ijo's River along 1.000 meter is amount Rp 78.806.400,00.

Keywords : Rehabilitation Ijo's River, Borrow materials on river channel, Fill