IMPLEMENTATION METHODS FOR
INTAKE BUILDING AND ITS TRANSMISSION PIPELINE
AT SUB DISTRICT BALONGBENDO
SIDOARJO – EAST JAVA

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Abstract

The intake building and its transmission pipeline are built to fulfill requirement of water for residents in Balongbendo district and Krian. For increasing the water reserve requirement, and then built the building intake that will take supply from Pelayaran river. The pelayaran river is one of the fraction from brantas river which has good quality and quantity of water suitable for consumption as a source of standard water. In order to intake this building development, required several stages of assignment, which is the preparation of assignment, assignment of the building intake and the tub of collection that includes the ground work, the concrete and complementary, and the assignment of pipeline. Currently the projects are already underway and was finished by using some heavy machinery and etc. In the end of the project is done three ratio, namely the ground, analyzes by time and cost. The method that uses is to analyze the re-heavy machinery and comparing HSPK Surabaya and Sidoarjo. The final result of ratio and analyzes that obtained is known as follows:

a. The field with a total cost of Rp 7.421.895.626,00 for 7,50 months.
b. According to time with the total cost of Rp 7.230.556.697,00 for 3.30 months.

c. According to cost a total cost of Rp 7.255.182.204,00 for 3.98 months.

From the third analysis can be seen that analyzes according to the time the most efficient in terms of cost and time.

**Key words: intake, pipeline transmission.**