Abstract

Bleberan village using spring water from Cakar Ayam Urban in meeting the water needed with flow rate about 22 l/sec. People using the spring water for their daily needs which is distributed through the pipe by HIPPM Tirta Agung as the manager. The lack water supply received by the customer is the problem of water supply in the areas. It’s caused by the low water flow, the low pressure, and the disempowerment of people so the water going waste. The purpose of evaluation is to find the solution and solve the problem and then develop existing pipe.

The objective of analysis is to know the resource flow rate, the water quality, and the pipe distribution system. Meanwhile, the water needed analysis estimations, the piping system which is developed to the Sumber Agung Village and HIPPM Tirta Agung institutional analyses should be done.

The conclusion of HIPPM Tirta Agung is the lack of water supply. It’s caused by the leakage both of the resources and the distribution systems, the low of water pressure. Beside that, the community empowerment and HIPPM institutional should be fixed.

Keywords: spring water, water supply, piezometric head, HIPPM, community empowerment.