

**ANALISA JARINGAN DISTRIBUSI
SISTEM PENYEDIAAN AIR BERSIH KOTA BOYOLALI**

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ABSTRACT

Water pressure in pipe represent important factor in drinking water supply system. To earn to conduct water optimally, required enough pressure. That is between 10 until 80 mka. Drinking water supply system of Boyolali City in the year 2005 is not optimally yet. Because still exist pressures values outside of planning standard. According to simulation result with Epanet Version 2.0, minimum pressures at peak hour condition (at 07:00) is -1,83 m and maximum pressures is 106,70 m. But, raw water productions in the year 2005 still answer the demand of residents consume requirement. Mean produce per day is about 7.241,40 m³/day and water consume is about 5.718,96 m³/day. Thus, in distribution pipes network of clean water is need to repair to reduce the happening of water leakage because of big pressures. Distribution service of clean water in PDAM of Boyolali City after repaired to become better because yielded pressures fulfilling criterion of water pressures planning in distribution pipes network. According to simulation result with Epanet Version 2.0, minimum pressures at peak hour condition (at 07:00) is 8,10 m and maximum pressures is 69,90 m

Key words : water supply, distribution pipe netw