

## **EVALUASI DAN PENGEMBANGAN JARINGAN DISTRIBUSI AIR BERSIH KECAMATAN KEDUNG, KABUPATEN JEPARA**

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### ***ABSTRACT***

*Kedung sub-region is part of area Jepara Region. The sub-region has important enrollment for Jepara Region. Kedung Sub-region next to Demak Region, so it has much economical potency due to local social welfare. Population growing annually 1, 06 %, and the population growth causing high water supply demand. Nowadays, PDAM Jepara as water supply body has already covered 23% of recent water demand. And in the fact, many villages on kedung sub-region have high demand for water supply. From identification study was had done by PDAM could find one water resource there is deep well resource. From the identification study and increasing water demand need to planning design for fulfilling people necessity to get water for life. Water supply system in kedung sub-region divide into 2 system, first is called Kedung I and secondly is called Kedung II. In the design, will expand coverage area of water pipelines network from 75,36% to 90% for Kedung I system. Kedung II system recently has 13,51% and will expand coverage to 24%.*

*In this evaluation and development water distribution network, make some decision to meet between water demand and water resource capability in Kedung sub-region. Water distribution of Kedung sub-region consist two systems i.e. Kedung I system and Kedung II system. Water storage facility is using reservoir with grounded tank model. And water flowing by pressure pumping.*

