

RENCANA INDUK (*MASTER PLAN*) SISTEM PENYEDIAAN AIR BERSIH WILAYAH PEDESAAN KABUPATEN TEMANGGUNG

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ABSTRACT

Temanggung District is one of district which located in Central Java. This kabupaten consist of 703.346 people and has 87.506 Ha land area which divided into 20 kecamatan. Based on RTRW, there are two area in Temanggung District, city area and rural area. Clean water is very important to people, but in fact any people in Temanggung District difficult to get clean water. There are a lot of spring in Temanggung, but they were not used yet because there no infrastructure to flow water from spring to people. In order to flow water, it need pipe system, which called water supply system. Water demand in city area is supplied by PDAM Tirta Agung, but many village was not get water supply yet. In rural area only 42% of people get water supply access. Based on Millenium Development Goals, in 2015, rural area must reach 60% water supply with pipe system. To reach this target, Temanggung District need master plan water supply. In 2015, 60% people in rural area must get water supply access and it will grow up to 80 % in 2020. Water demand Development of water supply system based on rank which composed from many aspect, such us healthy and sanitary, poverty, water supply service. Master plan is composed for 20 year, from 2010 until 2029. In 2029, total water demand is 544,78 l/s and it can be supplied by spring in Temanggung District.

Keywords: *rural area, water supply, MDGs, springs ,masterplan*