

Analisis keberlanjutan sistem penyediaan air minum pedesaan (Kajian sistem penyediaan air minum berbasis masyarakat di Kabupaten Karanganyar Provinsi Jawa Tengah sebagai model generik keberlanjutan sistem penyediaan air minum pedesaan)

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Abstrak

[ABSTRAK

Keberlanjutan Sistem Penyediaan Air Minum Pedesaan menjadi isu penting pembangunan di Indonesia terkait dengan masih rendahnya akses air yang bersih dan sehat di pedesaan. Rendahnya tingkat pelayanan air minum di pedesaan tidak lepas dari kegagalan pembangunan air minum yang disebabkan belum adanya keberlanjutan sistem penyediaan air minum pedesaan yang dijalankan secara optimal. Pembangunan air minum pedesaan sebatas mengejar target pencapaian jumlah sarana tetapi bukan peningkatan akses dan peningkatan derajat kesehatan masyarakat. Penelitian ini akan mencari variabel-variabel penyediaan air minum pedesaan yang berpengaruh penting pada keberlanjutan sistem penyediaan air minum pedesaan dan membuat pemodelan lingkungan sebagai sistem generik keberlanjutan sistem penyediaan air minum pedesaan di Indonesia. Hasil penelitian menunjukkan bahwa terdapat hubungan yang sangat berpengaruh antara variabel-variabel pada program penyediaan air minum pedesaan yang belum dioptimalkan untuk keberlanjutan penyediaan air minum pedesaan. Terdapat beberapa aspek atau faktor yang berpengaruh dalam keberlanjutan sistem penyediaan air minum pedesaan, yaitu aspek sosial (tanggap kebutuhan, partisipasi masyarakat, kemitraan, kelembagaan, kebijakan hukum), aspek lingkungan (pengelolaan lingkungan terkait penggunaan sumber air dan teknologi), aspek ekonomi (operasi dan pemeliharaan, kemampuan masyarakat untuk membayar layanan), faktor yang terintegrasi dari tiga aspek utama (pemilihan teknologi dan model pelayanan). Penelitian dengan menggunakan pemodelan lingkungan telah berhasil membuat model generik yang dapat memudahkan analisis keberlanjutan sistem penyediaan air minum pedesaan. Namun demikian penelitian lebih lanjut masih diperlukan untuk lebih menajamkan model menjadi lebih akurat dengan memasukan variabel-variabel lainnya ke dalam model yang lebih kompleks. Harapan dari penelitian ini akan dapat membantu memberikan problem solving pada pelaksanaan pembangunan air minum di masa yang akan datang.

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ABSTRACT

The sustainability of rural water supply system has become an issue. In general, water supply in the whole country is limited. The condition is made even worse in the rural areas. This happens because the government has not implemented a sustainability of rural water supply system. The study looks for the important variables to the sustainability of rural water supply system. The study also creates a generic model of sustainability of rural water supply system. The results of the study show that these variables are very significant to sustain the water

system, though many people ignore them. There are several aspects to ensure the sustainability of rural water supply system: social aspects (demand responsive, community participation, partnerships, institutional, legal policy), environmental aspects (environmental management related to the use of water resources and type of technology), economic aspects (operation and maintenance, community's ability to pay for services), an integrated factor of three main aspects (appropriate technology and service model). The research uses environment model - as a generic model of rural water supply - to analyze the sustainability of rural water supply system. However, the study needs more exploration for more variables, so that it can make a better and more accurate model of sustainability of rural water supply system.;

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