

## Kualitas mata air di daerah pegunungan: studi kasus mata air di Desa Tieng Kecamatan Kejajar Wonosobo = Springs water quality at mountain region: case study at Tieng Village springs Kejajar District Wonosobo Regency

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### Abstrak

Penelitian ini membahas tentang kualitas mata air di daerah pegunungan berdasarkan parameter PH, DHL, TDS dan kandungan Nitrat-N dengan studi kasus enam mata air di Desa Tieng Kecamatan Kejajar Kabupaten Wonosobo. Penelitian ini dilakukan untuk melihat perbedaan kualitas air yang diperoleh melalui pengukuran di lapangan. Parameter PH, DHL, TDS dan kandungan Nitrat-N digunakan sebagai indikator pengukuran di awal bulan November. Topografi, penggunaan tanah dan pemakaian pupuk dijadikan sebagai variabel yang menjadi factor penentu perbedaan kualitas air. Analisis Anova untuk mengetahui keragaman data dan analisis deskriptif spasial untuk mengetahui hubungan kondisi topografi terhadap kualitas air di mata air Desa Tieng. Hasil penelitian memperlihatkan bahwa factor topografi merupakan factor utama yang menentukan perbedaan kualitas mata air.

.....This research works through about wellspring quality at mountain region bases PH's parameter, DHL, TDS and Nitrate-N by case study six wellsprings at Tieng village Kejajar District Wonosobo's Regency. This Research is done to see the difference of acquired water quality through measurement at the site. PH's parameter, DHL, TDS and Nitrate-N is utilized as indicator of measurement at early month of November. Topography, landuse and manure using up is made as variable that becomes factor to difference quality air. Anova analysis is used to know data diversity and spatial descriptive analisis is used to know topography condition relationship to water quality at Tieng's village wellspring. The Result of research observationaling show that topography is the main factor to differences of wellspring qualities.