

**ANALISIS KEBUTUHAN AIR IRIGASI  
AKIBAT PERUBAHAN TAT GUNA LAHAN  
(Studi Kasus :Desa Denanyar, Desa Plosogeneng, Desa Mojokrapak )**

GUNAWAN PRASETIYO (182322201045)

ABSTRACT

In the villages of Denanyar, Plosogeneng and Mojokrapak, Jombang Regency, this is an area that initially had lots of rice fields and irrigation areas, then as the years went by this area turned into a densely populated settlement.

Based on the existing problems, it is necessary to analyze irrigation water needs by making a comparison between before the land use change and after the land use change occurred. due to current land use changes.

From the results of research in the Denanyar, Plosogeneng, Mojokrapak, Tembelang areas, the total irrigation water requirement before land use was 42.57 l/s/ha and after land use was 29.65 l/s/ha and the result of the balance was 7. 08 l/sec/ha

**.Key words: air requirements, irrigation, land use**