

UTILIZATION OF INFILTRATION WELLS IN RAINWATER CONSERVATION FOR FLOOD PREVENTION (CASE STUDY : JL. MAY.JEND SUTOYO, CAWANG UKI JAKARTA)

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Abstract

This research was conducted by collecting secondary data and the field research concerning the soils ability to infiltrate rainwater. Data processing is carried out by statistical analysis to estimate the average rainfall, the intensity value, the estimated discharge plan, the volume of runoff and the estimated infiltration rate in relation to the planning of the infiltration well dimensions and the infiltration plane with the aim of conserving water in the area. From the research results, it will be obtained that the large discharge and runoff volume, infiltration rate and dimensions of the most optimal infiltration wells in each region. From these figures, it can be seen that by making infiltration wells, some of the rainwater can be absorbed into the ground. (Approx. 121 words)

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