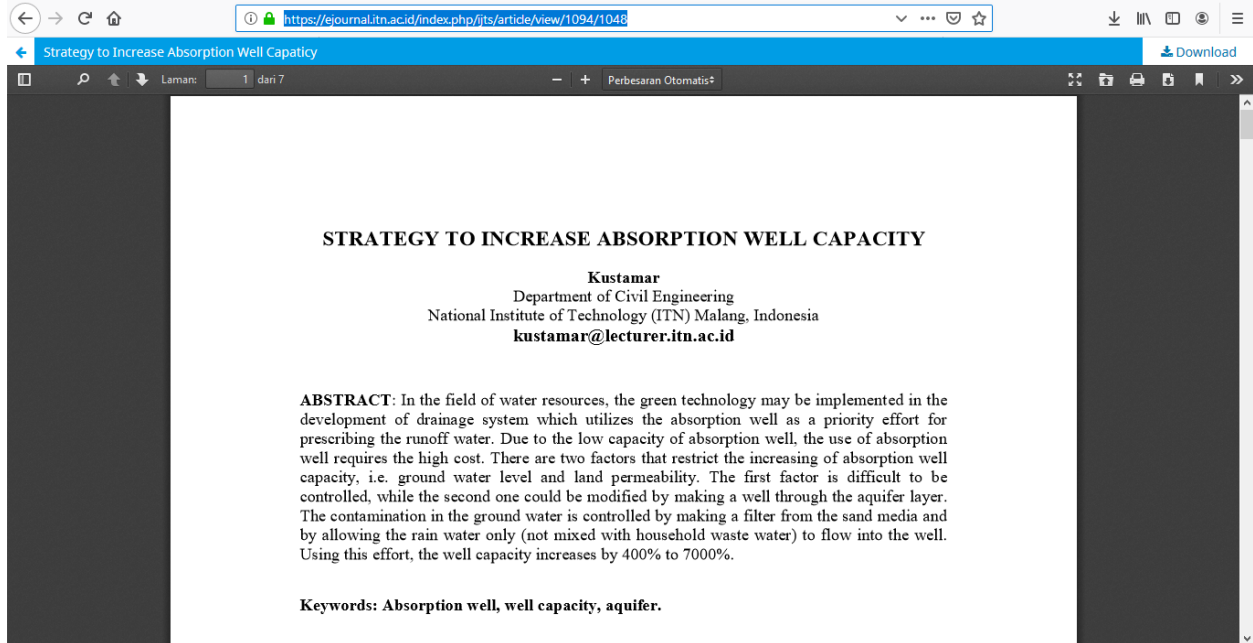


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Strategy to Increase Absorption Well Capacity

STRATEGY TO INCREASE ABSORPTION WELL CAPACITY

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ABSTRACT: In the field of water resources, the green technology may be implemented in the development of drainage system which utilizes the absorption well as a priority effort for prescribing the runoff water. Due to the low capacity of absorption well, the use of absorption well requires the high cost. There are two factors that restrict the increasing of absorption well capacity, i.e. ground water level and land permeability. The first factor is difficult to be controlled, while the second one could be modified by making a well through the aquifer layer. The contamination in the ground water is controlled by making a filter from the sand media and by allowing the rain water only (not mixed with household waste water) to flow into the well. Using this effort, the well capacity increases by 400% to 7000%.

Keywords: Absorption well, well capacity, aquifer.