

EVALUASI KNERJA DAN OPTIMALISASI SISTEM PENGELOLAAN INSTALASI PENGOLAHAN LUMPUR TINJA (IPLT) KABUPATEN TEGAL

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ABSTRACT

Good sanitation will be improve environmental health degree. But,in fact, good environmental health degree can't reach in Kabupaten Tegal. To increasing sanitation and healthy, Kabupaten Tegal was facilitated with septage treatment that known as IPLT.From the quantity, this instalation has the maximum capacity up to 11.53 m³/day, but in the fact this instalation only treat 4 m³/day of septage waste. From research in laboratory, the effluen of wastewater still have high concentration of BOD, COD, TSS and total coliform. Based on that problem, this instalation need to be evaluated so we can find the problem exist and take the right solution for optimalize the treatment system and the management system of IPLT Dukuhjati Kabupaten Tegal. Optimalization plan in this instalation consist of five aspec, there are technical, financial, public contribution, institution and law. The solution that can be implemented to optimalize the operation of this instalation are redesign the instalation to advance the treatment procces of wastewater, add the instalation, change the pipes, exercise for the operator of IPLT, change a new regulation based in fact, calculate the retribution fee which give good financial support for operation and maintanance of IPLT, and give knowledge to improve public contribution.

Keywords: *septage, evaluation, optimalization*