

ABSTRAK

ANALISIS INVESTASI PEMBANGUNAN TEMPAT PENGOLAHAN SAMPAH TERPADU UNIVERSITAS LAMPUNG

Oleh:

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Pembangunan TPST Unila merupakan salah satu upaya yang dapat dilakukan untuk memperbaiki sistem persampahan di Unila. Tujuan dari penelitian ini adalah untuk mengetahui kelayakan ekonomi dari proyek Pembangunan TPST Universitas Lampung bedasarkan parameter penilaian investasi. Parameter penilaian yang akan digunakan yaitu *Net Present Value* (NPV), *Internal Rate of Return* (IRR), *Benefit Cost Ratio* (BCR), dan *Payback Period* (PP), dan analisis sensitivitas. Data yang digunakan adalah data Rincian Anggaran Biaya (RAB) TPST Unila, data timbulan sampah dan data jumlah civitas Unila, serta tingkat suku bunga dan tingkat inflasi yang diperoleh dari BI. Dari hasil penelitian dapat disimpulkan bahwa pembangunan TPST Unila tidak memenuhi semua parameter penilaian investasi, namun Pembangunan TPST Unila tetap layak secara ekonomi karena dapat memperbaiki sistem persampahan di Unila guna menciptakan kondisi lingkungan kampus yang bersih dan nyaman, mengurangi polusi udara, serta dapat mengurangi beban TPA Bakung dalam mengolah sampah.

Kata kunci: Studi kelayakan, Analisis Investasi, TPST.

ABSTRACT

***INVESTMENT ANALYSIS OF INTEGRATED WASTE TREATMENT
PLANT DEVELOPMENT OF LAMPUNG UNIVERSITY***

By

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The construction of the University of Lampung Integrated Waste Treatment Plant TPST was one of efforts to improve the solid waste management in the university. The purpose of this study was to determine whether the investment was feasibility based on engineering investment analysis parameters. The assessment parameters utilized were Net Present Value (NPV), Internal Rate of Return (IRR), Benefit Cost Ratio (BCR), and Payback Period (PP). A sensitivity analysis was also carried out to further examined the results. The primary data used were the construction cost of TPST Unila and waste generation based on the number of Unila's students and staffs. While the secondary data used include interest and inflation rates obtained from Bank of Indonesian. The results shows that the construction of the Unila TPST does not meet all the investment assessment parameters, however the Unila TPST construction was continued because from an economic and environmental point of view this is very beneficial. The benefit among other things are: it improves waste management at Unila so as to create a better, healthier and more beautiful campus environment, reduce air pollution, as well as reduce the burden of the City of Bandar Lampung solid waste landfill site of Bakung.

Key words: Feasibility Study, Investment Analysis, TPST.