

ABSTRACT

PT XYZ is a subsidiary of PT Telkom Indonesia, located in West Bandung. PT XYZ is engaged in the construction of internet networks, one of which is the construction of FTTH (Fiber To The Home) in Pasirhalang Village, Cisarua District. The results of the development in the form of residential internet services are based on Fiber Optics. The FTTH project in Pasirhalang Village, Cisarua District which was invested by PT Telkom Indonesia is still in the stage of project initiation. In the process of project initiation, often make mistakes in the calculation of investment feasibility resulting in the project will suffer losses. This is the basis in this study, to analyze the investment feasibility of the FTTH project with a Capital Budgeting analysis supported by NPV (Net Present Value), IRR (Internal Rate of Return), and PBP (Pay Back Period) methods. In this study using several aspects, including aspects of the market, technical aspects, and financial aspects.

The results showed that the NPV value of Rp1,601,588,889, IRR of 72.77%, PBP of 2.5, because $NPV > 0$, $IRR > MARR$, $PBP < \text{Investment period}$, the investment of the FTTH project in Pasirhalang Village, Cisarua District was declared feasible.

Keywords: Feasibility Analysis, NPV, IRR, PBP, Capital Budgeting