

ABSTRACT

PT. PLN UPJ Cirebon Kota as the provider of electricity services covers about 110.000 customers. One of the factor that determine the company performance is the process of kWh Meter data recording. This recording process is a procedure to record the usage of the electric energy of the customers. This process is hold an important role, because if it's not give an accurate report, it will make a losses for the PT. PLN UPJ Cirebon Kota. In handling the kWh Meter data recording, PT. PLN UPJ Cirebon made a tender process to outsource of the kWh Meter data recording. The tender process which was attended by the board of the PLN, was participated by 3 companies, PT. PAKE, CV. Adelia, dan PT. Redac Mandiri. PT. Redac Mandiri was the winner of the tender process, and got the obligation to held the Meter data recording of PT. PLN UPJ Cirebon Kota's customers. This partnership was also as a pilot project for the others branch of PT. PLN (persero). This partnership objectives is to make an efficiency for the PT. PLN UPJ Cirebon Kota. Considering the letter of agreement, and the operational development, it needs a feasibility evaluation study of the PT. Redac Mandiri to predict the development of the company and the future prospect of investment. Thus, the author are willing to make a feasibility evaluation study that proposed can become a considerable information for PT. Redac Mandiri.

The first step is to collect the data of the PT. PLN UPJ Cirebon Kota customer. This data is used to make a customer forecast for next 5 years. The forecasted data is related for the market aspect and financial aspect. This data will determine the revenue of the PT. Redac Mandiri. The technical aspect will also determine the cost calculation. In the financial aspect, the parameter that will be calculated are IRR (Internal rate of Return), NPV (Net Present Value) and PBP (Payback Period). The sensitivity and risk factor will also considered.

From the financial calculation using MARR 20%, the NPV is RP. 227.255.763, IRR 35% and 5,02 years of the PBP. Considering the 10% risk factor, this investment still proper to continued. Thus, according to the financial calculation, risk factor, and sensitivity calculation, concluded that this investment is proper to continued forward.

Key Words : kWh Meter Data Recording, Market, Finance, Feasibility.