ABSTRACTION

Production process produces not only products and information, but also waste. The more waste produced, the less output per input ratio achieved. This means the less productivity achieved. Therefore there should be efforts to minimize the waste produced or to use the waste in order to incline the productivity and to give an added value.

Waste which is produced by production process, can be treated variously depending on its type, the technology owned by the company, and the management policy. In a steel plant waste is usually sold as junk in a low price, or turned into round bar if the company has the technology. To reprocess it, the investment cost will be too high.

P.T. Jaya Pari Steel Corp. Ltd. has already had the round bar production unit to converse the waste of steel, its main product. But the increasing demand in round bar and the growth of steel plant is quite fast, so the management thinks that the round bar plant production capacity is not enough and an expansion is needed.

This research will do an analysis about the feasibility of expansion project proposal mentioned above. The analysis will include various aspects. These are general aspect, marketing aspect, technical aspect, management aspect, financial aspect, and social economic aspect.

A complete analysis about the feasibility of the round bar plant expansion project proposal, which can be an input for the company, is the result of this research.