

## **ABSTRACT**

*Abstract - CV XYZ is one of the companies engaged as distributor plumbing material in West java. Based on Pre-Orders data of pipes in the period September-November 2022, request customers continue to rise for three brand pipes, namely maspion pipes, PPR pipes, and rigid pipes. Order product customers will be delivered if the number of orders matches the capacity of the truck. Due to the limited number of trucks and the variation in the number of products ordered, delays in delivery of orders to customers. Therefore, the director of CV XYZ plans to increase the number of trucks used in shipping orders. So a feasibility analysis is needed to find out whether the addition of trucks is feasible or not to run. The feasibility analysis is carried out by considering the market, technical and financial aspects. Based on the results of the feasibility calculation, the NPV value was Rp 5.410.634.231, the IRR value was 111,24%, and the PBP was 0,81 years. So it can be concluded that the plan to increase investment in the form of trucks is feasible. In addition, sensitivity and risk measurements were carried out and the results obtained were that the addition of trucks was sensitive to an increase in procurement costs of 10,28%, a decrease in selling prices of 8,09%, and a decrease in demand by 29,31%. While the risk measurement obtained a total percentage of risk of 8,60%.*

**Keywords – Feasibility Analysis, NPV, STP, NPV, PBP, and IRR.**