

## ***ABSTRACT***

*PT. Alfika Trijaya Bhakti is a company engaged in the production of medical devices. This company has one factory located in Majalaya. Then the company distributes its products to 3 Distribution Centers (DC) located in the Jakarta, Bandung and Surabaya areas. Based on the distribution model currently used by the company, planning for distribution activities is considered to be not yet optimal, resulting in unfulfilled DC demand. The planning carried out by the PT. Alfika Trijaya Bhakti factory carried out by the planner team is not good. It can be seen from the average delivery in 2021 which only reaches 79% of the minimum target of 95% delivery.*

*With planning using DRP, fulfilling the request of the PT. Alfika Trijaya Bhakti factory can achieve the minimum delivery target of 95%, which can reach up to 100%. And for the coming period, it is proposed to do demand forecasting in advance to prepare the amount to be prepared by PT. Alfika Trijaya Bhakti in fulfilling demand from each future DC, as well as maintaining the availability of goods in each DC warehouse.*

*The results of the study showed an increase in goods distribution delivery services increased to 100% from being above the company's target.*

***Keywords:*** *Distribution Planning, DRP, DC*