

ABSTRACT

The design of facility layout for a production company is an important thing to consider. Convection company also need the design of facility layout to help the production process. The problem that arises at this time in UKM XYZ is the shortage of production floor area so that UKM XYZ plans to move the production site to a new place that has a larger area. The shortage of production floor area is due to the addition of an area for embroidery machines and storage of raw materials. Based on the existing problems, the method used to solve these problems is an automated layout design program (ALDEP). This method is one of the construction methods that considers the close relationship between facilities. Based on the ALDEP method, the alternative chosen is 7-A alternative with a total closeness rating (TCR) of 130.

Keywords : automated layout design program (ALDEP), design of facility layout, total closeness rating (TCR).

