

ABSTRACT

CV. Rumah Mesin is a company engaged in the manufacture and supply of agricultural machinery, plantation machinery, fishing machinery, food processing machinery, etc. CV Rumah Mesin has plans to expand the production area. The current layout does not have an assembly area and trial area. It is necessary to relocate the production machines to adjust to the expanded production area.

In this research used Systematic Layout Planning (SLP) Method. This method tries to design a facility layout by taking into account the sequence of processes and the degree of proximity between service units contained in the facilities to be designed. The design using the most frequently ordered machine is abon cooking machine. After designing the layout, it is necessary to do validation using 2 other products, namely soybean peeler and spinner machine.

By using the Systematic Layout Planning (SLP) Method, the proposed layout is obtained by saving material handling costs on the abon cooking machine by 12%. In the validation of 2 other products, the cost of material transfer was reduced by 13% for soybean peeler and 1% for spinner machines.

Keywords: Layout, Systematic Layout Planning, Material Handling