

ABSTRACT

Facility layout design applied in the business world is required to improve production quality, production speed, reduce waiting time, minimize movement distances and utilize remaining area. Mulya Mediatama Advertising is a company operating in the printing industry. The problem with Mulya Mediatama Advertising is that it is still hampered by the flow of the production process for making banners, there is still distance between departments that are still far apart. The aim of this research is to minimize the distance between work stations and material movement distance, design alternative layouts and propose layout improvements. Making proposed layouts for Mulya Mediatama Advertising using the AutoCAD application. Judging from the existing problems, the Systematic Layout Planning method was chosen because it was considered appropriate for the problems that existed at Mulya Mediatama Advertising. The results of the Systematic Layout Planning method showed that there were two alternative proposed layouts and the second proposed alternative layout was used because it could minimize the displacement distance of 47.6 m.

Keywords : *Systematic Layout Planning (SLP), Layout, AutoCad.*