

ABSTRACT

Sandal Commet home industry is factory that producing sandals. however in fulfilling the demand from market, its production couldn't match it, reach about nearly 81, 52% of total demand. On existing condition of company's production floor there are problem that caused the inefficiency of existing facility layout such as material movement which is far enough.

The redesigning in facility layout is one of efforts made to raise the efficiency and production productivity so Sandal Commet home industry can fulfill the demand from market. In this research, facility layout is designed with criteria being used is minimizing material movement score. The designing process of proposed facility layout has been done by using CRAFT algorithm ini WinQSB software.

With this research, a better efficiency facility layout has been obtained which is proved by the reduction in material movement moment in the amount of 26,29% compared to existing facility layout. In conclusion, the proposed facility layout can increase the efficiency and production productivity of the company.

Keywords: Home industry, Layout, CRAFT Algorithm, Movement Moment