ABSTRACT

To solving the problem in a real system usually we use modeling. The purpose of the modeling to simplify the observe system so it can be easier when we want to make an experiment for understanding the system behavior or to construct a strategy (with limit that concerned to one or some criteria) that connected with the system operating.

There are so many way to construct a model, one of them is Simulation. Simulation is a numerical computation to design a model and to solve the problem in a numerical way so we can get the performance criterion of the observe system.

In this final script we use simulation method to minimize bottleneck and to increase output of the steel drum 209 Lt production system which own by Multi Altek Company. The performance criterion for this system are server utility, queue time, queue length, and production output so the decision variable in a model will concerned with the performance criterion.