

## ABSTRACT

Wulandari Ayu Wibowo. 2014, THESIS. Title: "Analysis Design Methods Just In Time in an effort to improve the efficiency of the production cost in PT. Malang Indah genteng Rajawali period 2013"

Supervisor : Hj. Meldona, SE., Ak., MM

Keywords : JIT, efficiency, cost of production

Companies are able to compete is that can run operations efficiently and effectively. Increased efficiency can do with eliminate wastage by implementing inventory control and production system JIT. With the application of JIT and so, working capital can be managed with optimal costs, reduced inventory, reduced production time, thus increasing productivity. The purpose of this research is to know the application of JIT production costs to improve efficiency in the unfortunate Beautiful Tile PT. Rajawali.

This research uses qualitative descriptive approach. The analysis of the data used is based on the cost of production analysis method applied to the company. Then, an analysis of the application of JIT by using methods of the MRP to scheduling purchases of raw materials, analysis work achievement with line balancing to do repairs and production efficiency. After that, benchmarking production costs before and after implementing JIT.

The results showed that the decrease in production costs occurred after applying the method JIT. With the use of methods JIT companies only make purchases of raw materials according to the needs that are used on a certain day, then there are no inventories stored in warehouses lowering storage costs. So the cost of raw materials occurs a decrease of 54%. With the method JIT production cycle time improvements done to production efficiency. Thus, the calculation of the cost of direct labor cost and usage of the machine based on real time production operations. So the cost of direct labor cost and usage of the engine happens a decrease of 12%.