

ABSTRACT

In industry activities especially in big industry such as Pertamina, many facilities have been used such as storage, receiving, processing and filling. We can say that the process of industry identical with flow of raw materials from input into processing part and finally packed into a product which is ready to market. In order to increase benefit, Pertamina Lubricant Corporation Jakarta Production Unit (UPPJ) tries to make efforts in improving the efficiency of every its production activity. One of the production activities which have problems in inefficiency is drum additive system control as raw material and box as support material. Both of these inefficiency problems mark with big distance in distribution between warehouse and factory, low handle capacity, and high cost operation in media transport of handling these materials.

To solve these problems, we are making a relay out for distribution way in both of drum additive and box. For improvement in drum additive material handling, we do replacement in forklift media transport with roll conveyor and rail framework. While, for improvement in box handling, we do replacement in forklift media transport with belt conveyor.

To figure out how far the improvements can solve the problems, we do an evaluation in both of the alternative concepts, such as comparing in using forklift with using conveyor in economics side. The evaluation result shows that using the alternative conveyor brings economical benefit in cost efficiency. Besides in economics side, this alternative can brings other benefits.

Thus, we can say that both of the improvement concepts can increase the efficiency of drum additive handling system and box material in UPPJ Pertamina, so can support in reducing cost production.