

## ABSTRACT

### **Quality Improvement Analysis of Existing Expired Raw Materials with Quality Control Circle (QCC) Method**

Team Formulation Development is one part of the R & D department that has the main task of developing products both existing products and new product development. Product development in the pharmaceutical industry must be carried out by following the rules related to Good Manufacturing Practices (GMP). From the KPI data table (Key Performance Indicator), it is known that achievement of Delivery, namely in making trial lab scale samples does not meet the target. Judging from the breakdown of problems encountered, the main cause is found that existing raw materials expired. The purpose of this research is to eliminate the waiting time for the arrival of existing raw materials and eliminate the waste of existing raw materials expired in the weighing laboratory formulation. Problem solving in this research was carried out with the application of QCC (Quality Control Circle) in the removal of existing raw materials expired. From the processing of data carried out using the 8 steps of problem solving in Quality Control Circle (QCC), the results show that many factors must be corrected. Evaluation of the results of improvement is the loss of waiting time from 2 days to 0 days and the loss of raw materials expired from 59 items to 0 item.

Keyword : Quality Control Circle (QCC), Existing Expired Raw Materials, Weighing Laboratory Formulation.

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