EFFICIENCY IMPROVEMENT OF IPQC INSPECTOR ACTIVITY WITH LEAN SIX SIGMA APPROACH IN PT PHILIPS INDONESIA

Name : Shulton Mawardi
NRP : 1308 100 096
Departement : Statistika FMIPA-ITS
Supervisors : Drs. Haryono, MSIE
            : Dra. Lucia Aridinanti, MT

ABSTRAK

IPQC Inspector is an officer carrying out the process control to production parameters. in the role of process quality control (IPQC) Inspector at PT. PHILIPS Indonesia is very important, because the quality of production can be seen from the results of process control carried out IPQC Inspector. Currently an increase in demand for light in PT. Philips Indonesia, this causes a Inspector IPQC task more dense so the time to inspect the light increases. Because it is necessary to analyze the determination of standard time, productivity, waste of going on in the process of operation and how to eliminate IPQC waste and the proposed improvement. Lean six sigma methods are used to cut down on reducing process variation and waste that occurs in activity of IPQC. One of the stages in lean six sigma is stopwatch time study to determine the standard time and productivity of IPQC Inspector. The way to eliminate waste and improve productivity performance Inspector IPQC used value stream analysis tools (VALSAT). Inspector IPQC known standard time 35.32 minutes with waste that is most common type of transport by 34.8% of activity. With VALSAT method then made improvement of method and redesign of layout. Proposed improvements are obtained in form of reduction in future state IPQC Inspector activity time 5.59 minutes or as much as 15.8% of initial standard time.

Key words: IPQC inspector, Lean Six Sigma, Valsat, Standard Time, Waste.