ABSTRACT

CONTROL ANALYSIS ON STATISTICAL QUALITY FOR THE PROCESS OF ANODE PRODUCTION AT PT. SMELTING

PT. Smelting produces anode but problem appears, namely the quality of Anode Decreases; although the company has applied the standard quality of the anode therefore.

This research is conducted with the purpose, knowing the defect and factors that influence the product quality of the anode by utilizing pareto diagram, control chart, fish bone diagram and quality loose function.

From the analysis it is found that the kind of defect, frequently happens orderly from the most frequent until the least is sincro defective (S-Def), sincro repair (S-Rep), ineective holder (other), inner pin (P-In), outer pin (P-Out). Whereas the kind of inner crack (C-In) or outer crack (C-Out) relatively do not exist. The factor which influence sincro defective (S-Def) is that there is the lack of the copper degrees, the tundish current is not proporsional the copper heating is not proporsional. The result of casting is not good, and temperature is not normal and in addition, there are operators negligence and fatigue in operation. The function of quality loss before repair is Rp. 115.580.000,- per month, where as after the repair is Rp. 53.140.000,- per month. As a result, after the reparation of the machine, the raw material, method, the condition of
environment or operator will save the quality of loss in the amount of Rp. 62,440,000,-.

The keys term; kind of defect, pareto diagram, control chart, fish bone diagram, quality loose function.