Abstract

Quality control is one of the important points in the industrial company for making consumers statisfication. The application of Bivariat Poisson control chart will be done in this research with PT. IGLAS’ New Teh Botol ring production process data. There are two quality variable of ring bottle that has been evaluated by Production Division PT. IGLAS. Two variables which have a positive correlation in the production process is called crack under ring and crack on ring. Evaluated sensitivity of Bivariate Poisson control chart, so this research use low correlation data (Data 1st) and high correlation data (Data 2nd). Production quality control will also be done individually using univariate control c chart, and then will be compared with Bivariate Poisson control chart. The application of those shows result uncontrol. Application of univariate control c charts on low correlation data is more sensitive than the Bivariate Poisson control chart, on the other hand, Bivariate Poisson control chart on the high correlation of data is more sensitive than univariate control c charts because correlations data 2nd is significance high correlated.

Keywords: Bivariat Poisson Control Chart, Crack Under Ring, Crack On Ring, High Correlation
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