APPLICATION OF MULTIVARIATE P CONTROL CHART ON THE LNFL GLASS CUTTING PROCESS IN PT. ASAHIMAS FLAT GLASS, TBK.

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Abstract
Quality control of the production process who carried by PT. Asahimas Flat Glass Tbk. Sidoarjo just select and separate the defective and not defective product, the company never doing a analysis so process is can not known under control or not. In this study will do detection defect types of glass LNFL in cutting process with using multivariate p control chart to evaluate the glass cutting process and determining the causes of disability. The data used is secondary data on the characteristics of quality attributes for period January to December 2013 From results of evaluation process, it can be concluded that the production of glass types LNFL on cutting process from January to December 2013 have shifted because proportion of defects is increasing. Thus, the analysis is separated into 2 phases and the results is no different between stage 1 and stage 2, but the increase of each defect can not be identified on a specific type of disability. From the results of Pareto diagram, it can be seen that the most dominating type of defects in the production of glass during the glass cutting process from January to December 2013 was a scratch with an average by 47.05%, cullet with an average by 27.25%, pushmark with an average by 9.15% and chipping in with an average by 10.15%. From the result of Ishikawa diagram, knowed factors causing disability such as the quality of raw materials have not been good, operator fatigue and less rigorous, way of cutting is not optimal, lack of maintenance, the age old machines and machine settings are not appropriate.

Keywords : Quality Attribute Characteristics, Causes of Disability, Control Chart p Multivariate, Glass Cutting Process