

ABSTRACT

The quality of a product needs to be considered. With good product quality to make a company better, products are also produced by total quality management. according to experts, TQM is the meaning and quality standard in organizations that provide solutions for devices. TQM is carried out with a central idea that is realized in the form of implementation, while the data obtained from the company, the company carries out TQM in order to obtain products that meet the standards.

This research was conducted to conduct production using the FMEA method, control diagram and capability axis. FMEA Analyst Research and capability process aims to analyze the results of the manufacturing process and product quality in the parts of the Housing Assy Bracket product produced. In this research contains technical data in the form of documentation. At present, the population which is part of the Housing Assy Bracket is produced by the company PT Sungwoo Indonesia. The sample used is 100 samples of the Housing Assy Bracket section

The results of this study are that in the FMEA analysis the process that takes place in making an RPN that exceeds the company's standard RPN is 100. In the calculation of the control diagram, the part that is produced is still controlled because it cannot be obtained from the calculation. In the process of drafting the part that is made also has a value that is in the standard that is above 1.67 which means that the part is received.

From the results obtained, it is given to the company to conduct a routine inspection because FMEA is a living document that is meant by data that will always have the latest data, and by analyzing the control table and the process of the company's capability, it still maintains the machinery that has been used to produce . get the results of parts that are in accordance with the standards.

Keywords: housing assy bracket, total quality management, FMEA, control diagram x and R, capability process.