

## Abstrak

*Failure Mode and Effect Analysis* adalah metode yang digunakan dalam penelitian untuk mengidentifikasi resiko kegagalan pada sebuah produk. Pengolahan data perusahaan dan wawancara terhadap para pekerja. Hasil pengolahan data dianalisa berdasarkan data kegagalan produksi. Setelah mengetahui dan mendapatkan hasil data dari perusahaan dilakukan pengolahan data berdasarkan penilaian *severity*, *occurance*, *detection* dan nilai angka prioritas resiko (*RPN*), serta rekomendasi untuk mengurangi kegagalan. Hasil penelitian menunjukkan ada 10 proses pembuatan celana jeans dan dari 10 proses kegagalan pembuatan celana jeans di temukan 8 kegagalan pada proses produksi pembuatan celana jeans, dimana 8 proses pembuatan celana jeans sangat berpengaruh dalam kualitas produk. Dari 8 kegagalan proses pembuat celana jeans yang dialami perusahaan selama bulan November hingga akhir Desember 2014. Oleh karena itu penelitian ini memberikan masukan kepada perusahaan untuk dapat dilakukan mengurangi kegagalan proses pembuatan celana jeans.

**Kata kunci :** (FMEA), Cacat, Severity, Occurance, Detection dan Nilai Angka Resiko(RPN)



## ***ABSTRACT***

Failure Mode and Effect Analysis is a method used in the study to identify the risk of failure of a product. Data processing and interviews of workers. Results of the data analyzed by the data processing of production failure. After knowing and getting the data from the enterprise data processing based on an assessment conducted severity, occurrence, detection and the value of the risk priority number (RPN), as well as the recommendation to reduce failures. The results showed there were 10 jeans manufacturing process and the failure of the manufacturing processes of 10 jeans were found eight failures in the production process of making jeans, of which 8 jeans manufacturing process is very influential in product quality. From 8 jeans maker process failure experienced by the company during the month of November to the end of December 2014. Therefore, this study provides input to the company to be able to do reduce the failure process of making jeans.

***Keywords : Failure Mode Effect and Analysis (FMEA), Severity, Occurance, Detection and Risk Prority Number (RPN).***

