

ABSTRAK

Perusahaan parking sensor merupakan perusahaan manufaktur yang menghasilkan produk berupa sensor parking mobil. Produk yang dihasilkan yaitu *Back Sensor*, *Corner Sensor* dan *Kick Sensor*. Masalah yang dihadapi adalah proses pengecekan yang belum ada *standart sampling* dan waktu yang cukup lama karena dalam satu hari kedatangan ada 100-200set sensor yang harus dicek. Tujuan dari penelitian ini menentukan jumlah sampling menggunakan metode AQL dan membandingkan hasil pengecekan 100% di produksi dengan menggunakan metode AQL di *incoming quality control*. Metode *Acceptable Quality Level* (AQL) adalah suatu *standart* internasional yang mengatur penerimaan *sampling* dengan *sampling by attribute* yang terdapat dalam ISO 2859.

Dari hasil analisa yang dilakukan dari bulan oktober sampai november 2019 di perusahaan parking sensor, diperoleh hasil pengecekan 100% ditemukan NG sebesar 2,041% angka ini masih dibawah batas klasifikasi cacat major sebesar 2,5%. Sehingga metode AQL dapat diterapkan untuk proses *sampling*.

Kata Kunci : *Sensor, Acceptable Quality Level, Sampling*



ABSTRACT

Parking sensor companies are manufacturing companies that produce products in the form of car parking sensors. The products produced are Back Sensor, Corner Sensor and Kick Sensor. The problem faced is the checking process which has no standard sampling and the time is quite long because in one day of arrival there are 100-200 sets of sensors that must be checked. The purpose of this study is to determine the number of sampling using the AQL method and compare the results of checking 100% in production by using the AQL method in incoming quality control. The Acceptable Quality Level (AQL) method is an international standard that regulates sampling reception by sampling by attributes contained in ISO 2859.

From the results of the analysis conducted from October to November 2019 in the parking sensor company, it was found that 100% checking found that the NG of 2,041% was still below the major defect classification limit of 2.5%. So the AQL method can be applied to the sampling process.

Keywords : Sensor, Acceptable Quality Level, Sampling

