

ABSTRACT

PT. Abo Farm is a company engaged in the field of agricultural and vegetable packing house. Tough competition with many similar companies, to encourage companies to continue to improve the quality of its products. One way to do is to continuously improve product quality beans shipped in order to get to zero defect.

Improved quality and defect prevention of bean products made in the transport process in the collecting area. The selection of products is based on the percentage of defective beans highest break in January-December 2012. Percentage number of defective products have an average of over 1% in the period. Therefore, the quality will be improved with Six Sigma methods to prevent and reduce the level of product defects in the beans.

Stages in the Six Sigma method consists of 5 (five) stages ie define, measure, analyze, improve and control (DMAIC). In the define phase, identified there are 5 (five) pieces of CTQ potential effect on product quality. In the measure phase is known that the delivery process (removal) is not stable and the capabilities of the process indicated by the Sigma level of 3.67 with 15 163 DPMO. Based on the analyze phase found five (5) potential failure causes broken beans priority repairs. Proposed improvements are given a heavy set default maximum operators, define and design the standard method of appointment of the right and safe, ergonomic size for determining compartment, adding a section on the company responsible for the quality of the process and quality of the products and conduct training picking beans for farmers.

Key words: Quality, Six Sigma, CTQ Potential, DPMO