

ABSTRACT

Cows are cattle, members of the tribe Bovidae. Cows widely used by humans. One of the benefits of a cow is to be cattle as a livestock for meat. Measuring cattle carcass weight tends to be difficult due to the conventional way of using less efficient scales. The large enough size of the scales and its less flexible to be taken anywhere make this kind of measurements is quite difficult. While other ways, measuring the weight of cattle can be done by measuring the diameter or chest circumference and the body length of cattle.

Technology, with its sophistication can be implemented to help facilitating cattle ranchers in measuring the weight or weight of livestock cattle shortly before cutting in order to estimate the carcass weight that will be obtained. The technology used is digital image processing. Image processing is the process of two dimension or three dimension images by computer. In this final project, the author developed an image processing system that can estimate carcass weight of cattle carcass.

In this final project authors use the method of BLOB (Binary Large Object) is a collection of binary data stored in an entity in the Database Management System (DBMS) which then the results of segmentation is labeled for the calculation process. This system is developed to accuracy of 70.08%

Keyword: *carcass, cattle carcass weight, BLOB, Binary Large Object*