

## **ABSTRACT**

*The cow is the livestock reared to produce animal protein in the form of meat. One of the important parts of the cow's body i.e. the carcass. Beef carcass itself can be estimated with a certain measure of severity of the right, which is the weight of the carcass itself is meat with bone and excess meat, without head, legs, skin and offal. The weight of the carcass itself ranged from 47-57% of its original weight. The live weight of cows can be known by way of weighing conventionally, visually estimate by humans, and calculations using a predetermined formula. But the way the votes are difficult to do. Another way to use is by weighing the cattle cows with scales which are not efficient because it is not flexible and isn't easy to carry everywhere. To make it easier, technology can be implemented to provide an alternative solution of these problems.*

*There are methods that are in use to be able to update the estimated weight. In this final Task, used methods of Active Contour (Snake) in image retrieval on start with cows that live using cameras and then the picture will be in sports and in the test results never achieved to android.*

*With applications that have been in use has an accuracy of 11,41% with a computation time of 4,52 seconds. With the capabilities of this system, expect easier buyers and sellers know the beef carcass weight estimation using these applications and more efficient.*

*Key words: Beef cattle, beef carcass, Snake, Android*