

## ABSTRACT

Tea is one of natural resources, which produced from processing the tip of green tea plant leaves, *Camellia Sinensis L. Kuntze* that used for making drink. The quality assessment of tea influenced by the tip of tea leaves condition and the process. In this case, the panelist existence is important for determining the quality. The quality assessment of tea influences the sell price that used for tea's market value standard.

The problem today is that the assessment that being done by the panelist, done for each process only without considering factors, which influence tea quality. Therefore, the result is not maximal and less accurate.

In this final assignment, *Black Tea Quality Assessment Software by Senses Testing Method and Quality Classification* is made as a helping tool which can give an analysis result of the tea quality by considering a lot of factors that determine the tea quality. *Senses testing method* is used to assess the process result and *quality classification method* to determine the resulted tea quality.

The result of this software will give a better black tea quality assessment with considering factors which influence tea quality and can give recommendation or suggestion as result from process and senses testing to keep safe and increase the quality of product. The Percentage of software accuration is 90%.

Keywords:

orthodox black tea, quality, *Camellia Sinensis L. Kuntze*, panelist, senses testing method, quality classification method.