ABSTRACT

Coffee is one of the drinks that is very popular with the people of Indonesia because it tastes good and is easily accepted by the tongue. The taste of coffee is strongly influenced by the maturity level of the roasting process which determines the maturity level of the coffee beans. However, to determine the maturity level of roasted coffee beans, the general public still uses the naked eye to identify them. This is a problem because recognizing the maturity level of coffee beans using the naked eye requires in-depth learning about coffee. The application of artificial intelligence in the field of classification will make it easier for people to determine the maturity level of coffee beans because artificial intelligence has methods that can extract color, shape, and even aroma. This is an opportunity to facilitate the classification of roasted coffee beans, because the general public no longer needs to identify the level of maturity of coffee beans using the naked eye. In this final project, the implementation of artificial intelligence is carried out to facilitate the general public in classifying the maturity level of roasted coffee beans by utilizing the website as the final product of this project called ForCOFFEE.

Keywords: *artificial intelligence, coffee, classification, website, roasting.*