

ABSTRACT

Meat is one of the various sources of protein that the human body needs. Until now, meat consumption always increases from year to year due to various factors, including having high nutrition, as a source of protein, to its distribution which can be found almost everywhere. In the process of selecting meat, many buyers do not know about the quality of the meat offered by the seller, both the duration of the shelf life, and the preservatives used by the seller in marketing the meat. In overcoming these problems, in determining the quality of the meat needed the right method in checking. The use of Electronic Nose by applying the Random Forest Classification method can work in a structured manner on every component needed in the process of determining meat quality.

Keywords: *Meat Detection, Electronic nose, Machine learning, Random Forest*