

# Classification System Based On NBC For Cervical Cancer

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## **Abstract**

*As the technology grows rapidly, many people take a great interest in computer. Many computerized systems are widely used in medical field such as making decisions for diagnosis to give treatment. Classification is a data mining techniques used to predict group memberships for data instances. It classifies data based on the training data set and the values in a classifying attribute and uses the model in classifying new data. In the systems, we will use supervised learning area for constructing models from a set of observations presented. This method is to predict the class label of an unseen observation given the knowledge extracted from the training data. Training data can be seen as a database containing observations and their corresponding class label. In the system, averaging probability values are calculated with bagging method instead of maximum probability values can find by NBC. Finally, the system classifies the stages of CARCINOMA CERVIX with highest probabilities.*