

# **IMPLEMENTATION OF NAIVE BAYES METHOD FOR CLASSIFICATION OF HEART DISEASE**

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## **ABSTRACT**

*Heart attack is one of the deadliest diseases recorded in the world. In 2020 alone nearly 10 million people worldwide died from heart disease. Causes of coronary heart disease include narrowing of blood vessels in the heart, unhealthy lifestyles, obesity, infrequent physical activity, and smoking habits. Patients are usually not aware of the symptoms that are felt so that diagnosis is often delayed due to a lack of awareness and knowledge about the early symptoms of heart disease so that when they go to the doctor, it turns out that they have reached a high stage. Therefore, we need a system that can help detect or perform an early examination of symptoms of heart disease so that diagnosis does not occur late and it gets worse. This system was built using the Naive Bayes method by utilizing the probability value of the previous sample document data and its consistency can be tested. The data used is 918 data. The data is divided into 400 training data and 518 test data. From these experiments, the accuracy is 86.49%.*

**Keywords:** *Decision Support System, Classification, Naive Bayes Classifier, Heart Disease.*