



**PROJECT REPORT**  
**COMPARISON OF NAÏVE BAYES AND SUPPORT  
VECTOR MACHINE (SVM) ALGORITHMS IN MASKED  
FACE DETECTION**

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## APPROVAL AND RATIFICATION PAGE



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## **ABSTRACT (ABSTRACT TITLE)**

*Two machine learning methods that both process images will be compared in this study. The image of human face that wears a is an example of an object that will be used to process with Orange Data Mining software. The system will search through existing datasets using Machine Learning Naïve Bayes and Support Vector Machine (SVM) with image analytics. This research will find out which method is most accurate in detecting facial images of people wearing masks or not. According to the study's findings, the SVM approach can predict class instances accurately with an accuracy level of 1, which makes it more predictive than Naive Bayes.*

*Keyword: Orange Data Mining, Machine Learning, Face Mask, Detection*



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