

**KLASIFIKASI GENRE MUSIK MENGGUNAKAN
ALGORITMA NAÏVE BAYES CLASSIFIER UNTUK
LAYANAN *STREAMING* YOUTUBE**

SKRIPSI



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ABSTRACT

THORIQ NURCHAIDIR, Song Genre Classification Using Naïve Bayes Classifier Algorithm for Youtube Streaming Services. Essay. Informatics Education Study Program, Faculty of Engineering, Jakarta State University. 2019. Advisor Lecturer Dr. Widodo, M.Kom. and Bambang Prasetyo Adhi, S.Pd., M.Kom

Music genre is the most common way to organize a digital music database. Classification is a grouping of data into several predetermined parts so it can facilitate the management and search of music files based on the genre of music.

This research classifies music genres for Youtube streaming services. The research method used in this research is research laboratory experiments. The model in this study classifies music files using 3 types of Naïve Bayes Algorithm, namely: Gaussian Naïve Bayes, Bernoulli Naïve Bayes, and Multinomial Naïve Bayes. The data that used is the GTZAN dataset and video clips downloaded from the Youtube streaming service. The accuracy value produced by Gaussian Naïve Bayes is 63%, the accuracy value produced by Bernoulli Naïve Bayes is 33% and the accuracy value produced by Multinomial Naïve Bayes is 10%. Naïve Bayes algorithm type with the highest accuracy value is considered as the best type of classification algorithm. The test results state that Gaussian Naïve Bayes is the best algorithm for classifying music genres compared to Bernoulli Naïve Bayes and Multinomial Naïve Bayes

Keywords: Classification, Music Genre, Youtube, Naïve Bayes, Gaussian Naïve Bayes, Bernoulli Naïve Bayes, Multinomial Naïve Bayes, Accuracy.