Santri Licensing Decision Support System Using Naïve Bayes Classifier Method With Laplace Correction

Nugroho Setyo Wibowo, ST. MT *as chief counselor*

Alfani Zidni Hidayah

Study Program of Informatic Enginering

Majoring of Information Technology

ABSTRACT

Decision support system is an interactive information system that provides information, modeling, and data manipulation. The system is used to assist decision making in semi-structured and unstructured situations. In this study, the decision support system uses the Naïve Bayes Classifier method with Laplace Correction to assist licensing arrangements in granting permits to students that are accurate and appropriate in accordance with the needs of students' permits where the data used from the time of licensing as training data to determine the permissions carried out by students and seen from the type of permit variable, the distance of the permit, the length of the permit, the violation of students, the delay in returning, and the value of the report card. The results of this study obtained a system accuracy level of 83.75% using 80 test data with 67 correct test data in accordance with licensing management decisions.

Keyword : DSS, Licensing System, Naïve Bayes Classivier, Laplace Correction