***ABSTRACT***

Students' graduation in the face of national exams can be used as a benchmark for the extent to which students understand the material obtained during school. To get complete grades on the national exam, the school held a try out exercise that aims to make students better prepared for the exam. In conducting a try out, not all students can solve the questions correctly. This has an impact on the results of a bad try out value. Therefore, the school needs a data mining with classification methods that can help the school to know the level of readiness of students facing national examinations. The method of processing data that has different attributes is then arranged into appropriate categories. The data is classified using the Naïve Bayes algorithm which is one of the algorithms found in the classification technique. The results showed that the Classification System of Student Readiness Levels Facing the National Examination Using the Naïve Bayes Method fulfilled the programming logic requirements and was not complex, where CC = V (G) = 5 based on the White Box testing, then the system was free from various components based on testing Black box. And the system has an accuracy rate of 90% based on performance measurement using the Confunsion Matrix. Thus, the Student Readiness Classification System is Faced with National Exams Using the Naïve Bayes Method that is reliable and effective so that it can be implemented.

**Keywords :** National Examination, Tryout, Data Mining, Classification, Naïve Bayes.