Abstract

In ubiquitous learning environment, there are students who pass the learning class, and some failing. In recent years, studies have shown increasing interest and attention from various countries regarding the high degree of student failure. Various ways need to be done in order to help students, one of them is identifying students who are at risk of failing a course. This research will be conducted by using data mining method to predict students, who are at risk of failing course on ubiquitous learning environment. Data mining techniques will result representation of model obtained from student data. Data mining method used for this research is Naïve-Bayes classification. The classification will use the Naïve-Bayes algorithm to process the datasets that have labels for each data, the labels are pass or fail, in order to obtain the classification model. With this method, student data such as assessments, GPA, student's activeness and student demography will be processed to predict at-risk learner, whether pass or fail at one course. The conclusion of this research is identification of at risk learner in ubiquitous learning system by using data mining technique.