

ABSTRACT

To develop quality and human resources in the future, students as agents of change can increase their potential by participating in competitions, including for D3 Information Systems study program students. There are so many benefits that can be obtained from participating in competitions such as improving abilities, improving soft skills, increasing experience, expanding relationships, and of course getting prizes and certificates. Competitive information can be found on the internet, especially in search engines. However, even though it has been optimized by SEO, it is not uncommon to find web pages that provide invalid and overdue competition information. Based on the results of a survey to D3 Information Systems Study Program students, 80% of respondents got information on the competition from whatsapp groups and 20% from search engines and social media. Therefore, it is necessary for information media and competition reporting with web page classification so that students can get valid competition information. This final project uses a machine learning algorithm to classify valid competition information web pages for students with the Gradient Tree Boosting Classifier algorithm. Then, the results obtained an accuracy of 98%. Of course, this is a good model for classifying and validating race information web pages effectively and efficiently. The implementation of the invention will be discussed in this book.

Keyword : Competition, Machine Learning, Gradient Tree Boosting