Application of Vector Space Model for Undergraduate Thesis Plagiarism Detection in Dian Nuswantoro University

SORAYA ARUM RAHMASARI
(Pembimbing : Heru Agus Santoso, Ph.D)
Teknik Informatika - S1, FIK, Universitas Dian Nuswantoro
www.dinus.ac.id
Email : 111201206866@mhs.dinus.ac.id

ABSTRAK

In the era of globalization, the internet is more advanced. Easy to get data is one of the causes of plagiarism. Same with the college student especially for informatics engineering who is looking for information to do the thesis for a candidate of bachelor, they have an opportunity do the plagiarism by copying another student which has the similar themes or takes some code from the internet. To prevent this problem, there is a need an application to detect plagiarism. The purpose is implementing plagiarism detection in Dian Nuswantoro University especially for undergraduate thesis is to prevent the student do plagiarism with effectively. This application uses Vector Space Model method combine with Cosine Similarity algorithm. The author used this algorithm because of time consumption used for processing data is more accurate and faster, also this algorithm is suitable for multiple pattern searches. From the problem above, the author will make an application for detecting plagiarism in the field of college student especially for making a thesis. This application will produce a plagiarism report which contains the percentage similarity of document testing. Hopefully, this application will minimize the plagiarism case in the University.

Kata Kunci   :   Plagiarism, Undergraduate Thesis, Vector Space Model, Cosine Similarity

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SORAYA ARUM RAHMASARI

(Lecturer : Heru Agus Santoso, Ph.D)

Bachelor of Informatics Engineering - S1, Faculty of Computer Science, DINUS University

www.dinus.ac.id

Email : 111201206866@mhs.dinus.ac.id

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In the era of globalization, the internet is more advanced. Easy to get data is one of the causes of plagiarism. Same with the college student especially for informatics engineering who is looking for information to do the thesis for a candidate of bachelor, they have an opportunity do the plagiarism by copying another student which has the similar themes or takes some code from the internet. To prevent this problem, there is a need an application to detect plagiarism. The purpose is implementing plagiarism detection in Dian Nuswantoro University especially for undergraduate thesis is to prevent the student do plagiarism with effectively. This application uses Vector Space Model method combine with Cosine Similarity algorithm. The author used this algorithm because of time consumption used for processing data is more accurate and faster, also this algorithm is suitable for multiple pattern searches. From the problem above, the author will make an application for detecting plagiarism in the field of college student especially for making a thesis. This application will produce a plagiarism report which contains the percentage similarity of document testing. Hopefully, this application will minimize the plagiarism case in the University.

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