# ICCED 2022 Submission 4

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| Submission 4 | |
|---|---|
| Title | Twitter User Sentiment Analysis For RUU Omnibuslaw Using Convolutional Neural Network |
| Paper: | (Nov 15, 06:59 GMT) |
| Author keywords | Convolutional Neural Network (CNN)<br>RUU Omnibuslaw<br>Sentiment Analysis<br>Twitter |
| EasyChair keyphrases | convolutional neural network (134), test data (130), deep learning (100), convolutional neural network algorithm (100), informatic engineering faculty (95), neural network (83), classification process (80), twitter social medium (79), fully connected layer (79), sentiment analysis (70), positive sentiment (60), technology uin (60), omnibuslaw bill (50), confusion matrix (50), negative sentiment (50), ruu omnibuslaw (50), epoch value (50), tweet data (50), naive baye classifier (47), command number (40), opinion data (40), word weighting (40), social medium (40), imperfect text data structure (40), configuration matrix (40), convolutional neural network architecture (40) |
| Abstract | The general function of social media is for online interaction with many people. Moreover, social media have functions for sharing information, discussion, and giving an opinion media about some topics that a lot of people talk about, one of that media is Twitter. An atopic will show many opinions and different responses from everyone. This study was for making an analysis opinion from social media Twitter user about Rancangan Undang-Undang (RUU) Omnibuslaw topic using a Convolutional Neural Network method wich one of Deep Learning method. This study has been done a sentiment analysis with opinion data from many different people through the tweet they making, Preprocessing and weighting are done using Word2vec which give 84% result accuracy of an algorithm from 10-time testing. Based on 2.820 tweet data, the result is 1.320 data of positive sentiment, and 1.500 data of negative response for the RUU Omnibuslaw topic in Indonesia. |
| Submitted | Nov 15, 06:59 GMT |
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# Reviews

| Review 1 | |
|---|---|
| *Overall evaluation* | **1**: (weak accept)<br>The paper discusses sentiment analysis for RUU Omnibus Law in Indonesia based on tweets posting by public through twitter. The problem is clear enough. The method used is very common, i.e., CNN. The process of tweets are using NLP. The testing is completed using confusion matrix. The result is good. The only problem with this paper is in English grammar. There are a lot of mistakes in the writing. Thus, please significantly improve the English, and proofread it by a language expert before submission.<br>Some unnecessary part, like steps of calculation, can be removed from the paper, and can help to make the paper not exceeding 6 pages. |

| Review 2 | |
|---|---|
| *Overall evaluation* | **1**: (weak accept)<br>The paper has 7 pages, please reduce to 5 or 6 pages only.<br><br>Figure 1. Convolutional Neural Network Architecture [3] came from other papers, please refer only or redraw it.<br><br>The plagiarism rate in this article is very high at 90%, please also reduce it to max 20%. |

| Review 3 | |
|---|---|
| *Overall evaluation* | **1**: (weak accept)<br>Interesting research work.<br>However, some modifications are suggested to improve the quality of the paper.<br>1. Authors are suggested to send the paper to the proper English proofreading. Some sentences are a bit difficult to understand.<br>2. Authors are suggested to elaborate more on the deep learning setting, not only explain the division of training and testing data set.<br>3. Elaborate more on the data set, and how much data was used for this experiment. Explain the reason for choosing one specific date to collect the Twitter data.<br>4. A minor error on formatting, kindly check the ieee template and follow the instruction.<br>5. Update the figure to a good-quality picture. Authors can try to print out the paper, to test whether the figure is readable. |