

## ABSTRACT

Excessive use of loudspeakers can cause some parties to feel disturbed, especially in multicultural urban communities, which can lead to conflict in the community. For this reason, the government through the Ministry of Religious Affairs of the Republic of Indonesia issued a regulation Circular Letter of the Minister of Religion Number 05 of 2022 concerning Guidelines for the Use of Loudspeakers in Mosques and Mushala. For this reason, the government, through the Ministry of Religious Affairs of the Republic of Indonesia issued a regulation of Minister of Religious Affairs Circular Number 05 of 2022 concerning Guidelines for the Use of Loudspeakers in Mosques and Mushalas. Quoted from [cnnindonesia.com](http://cnnindonesia.com), this regulation has made Indonesian netizens boisterous; some people agree with it and some who reject it for various reasons. People also express their opinions or reasons in multiple ways, through social media twitter. This research analyzes sentiment on Twitter social media using the *indoBERT* base p1 algorithm with the SEMMA methodology. SEMMA consists of five stages: sample, explore, modify, model, and assess. Data tweets from Twitter are obtained by scraping techniques through the *twint* library. The data successfully scraped was 420 tweets, but 120 tweets were duplicates, so they were deleted. Before being inserted into the tweet data model, a text preprocessing process is carried out. The confusion matrix test results obtained accuracy and f1-score of 73% (validation data), then 62% and 60% (testing data)..

*Keywords-* sentiment analysis, *indoBERT*, SEMMA, twitter, toa, mosque loudspeakers

## ABSTRAK

Penggunaan pengeras suara yang berlebihan dapat menyebabkan beberapa pihak merasa terganggu terutama untuk masyarakat perkotaan yang multikultur sehingga bisa mengakibatkan terjadi konflik dimasyarakat. Dengan alasan tersebut pemerintah pun melalui Kementerian Agama Republik Indonesia mengeluarkan peraturan Surat Edaran Menteri Agama Nomor 05 Tahun 2022 tentang Pedoman Penggunaan Pengeras Suara di Masjid dan Mushala. Dengan alasan tersebut pemerintah pun melalui Kementerian Agama Republik Indonesia mengeluarkan peraturan Surat Edaran Menteri Agama Nomor 05 Tahun 2022 tentang Pedoman Penggunaan Pengeras Suara di Masjid dan Mushala. Dikutip dari [cnnindonesia.com](http://cnnindonesia.com) hadirnya aturan tersebut membuat riuh netizen Indonesia dimana ada masyarakat yang menyetujui dan adapula yang menolaknya dengan berbagai alasan. Masyarakatpun mengeluarkan pendapat atau alasannya dengan berbagai cara, salah satunya dengan mengekspresikan lewat media social twitter. Penelitian ini melakukan analisis sentimen pada media sosial twitter menggunakan algoritma indoBERT base p1 dengan metodologi SEMMA. SEMMA sendiri terdiri dari lima tahapan yaitu sample, explore, modify, model, dan assess. Data cuitan dari twitter didapatkan dengan teknik scraping melalui library twint. Data yang berhasil di-scrape 420 cuitan, tapi 120 cuitan merupakan duplikat sehingga dihapus. Sebelum dimasukkan kedalam model data cuitan dilakukan proses text preprocessing. Hasil pengujian confusion matrix didapat akurasi dan f1-score 73% (data validasi), lalu 62% dan 60% (data testing).

*Kata kunci - analisis sentimen, indoBERT, SEMMA, twitter, pengeras suara masjid, toa*