



Covid19-socmed.id An effort to listen to public during the pandemic

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Webinar on Making History Together

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Speaker

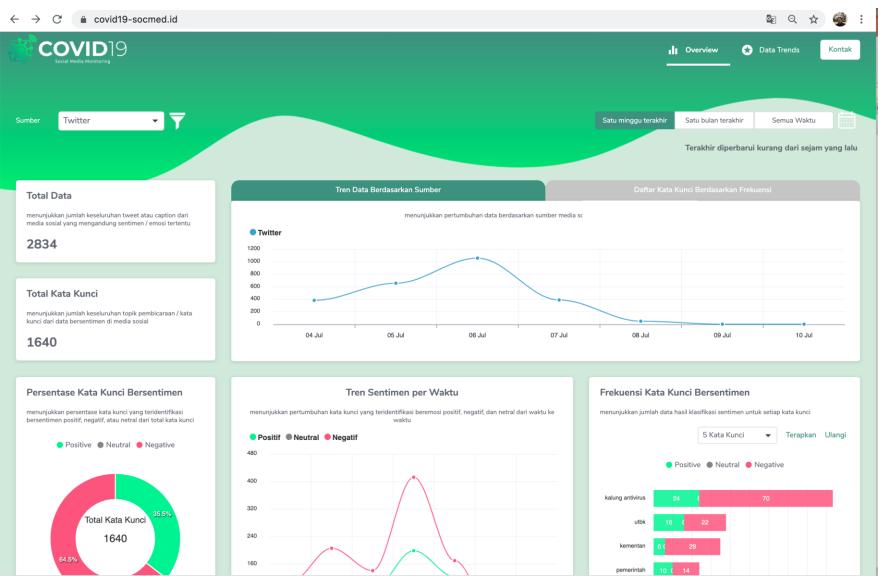
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Covid19-socmed.id





Pusat Artificial Intelligence ITB



Lead by Dr. Eng. Ayu Purwarianti

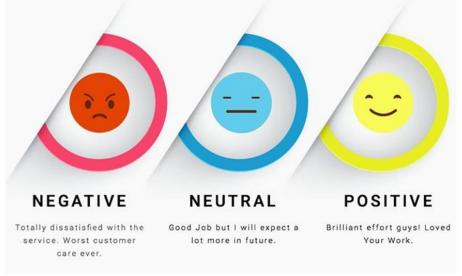


Covid19-socmed.id

- An internet website which monitoring various media social platforms to find out how people 'see' covid-19 and how many misinformation/ disinformation around covid-19
 - Input
 - Social media feeds (tweets, posting)
 - [News portal]
 - Output
 - Sentiment analysis
 - Hoax analysis

Sentiment Analysis

• The use of natural language processing, text analysis, computational linguistics, and biometrics to systematically identify, extract, quantify, and study Affective States and Subjective Information (Wikipedia)



- Social Media Sentiment Analysis
 - Information analysed are from social media (and online news portals)

Hoax Analysis

• The use of natural language processing, text analysis, computational linguistics, and biometrics to systematically identify, extract, quantify, and study false information deliberately fabricated to masquerade

as the truth

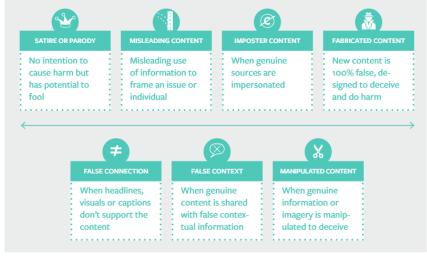


Figure 4: Seven categories of 'information disorder' - firstdraftnews.org

- Social Media Hoax Analysis
 - Information analysed are from social media (and online news portals)

How Indonesia Fight against Hoax

News Media and Verificator







Ministry of Communication & Information Technology











Consumer

Administrator Staffs



Dashboard & **Platform** Hoax Intel



Chatbot Anti-Hoaks



AI-Powered Hoax Intel Engine & API



National Hoax Database

Social Platforms





Online Media

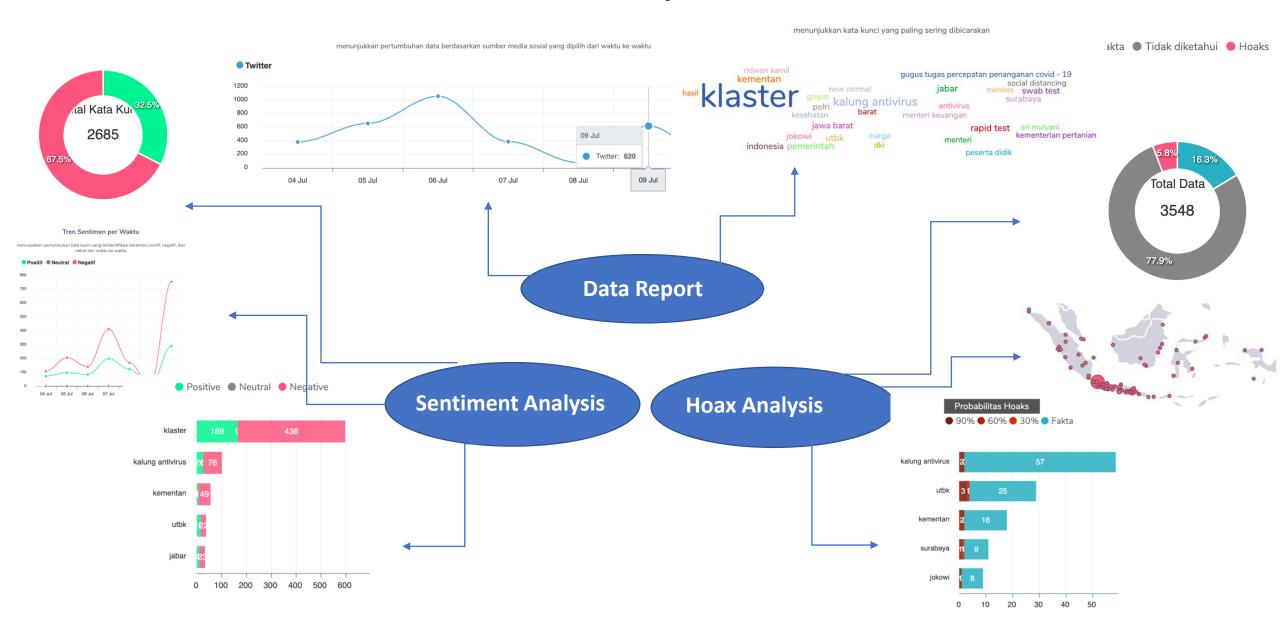
-KASKUS-

detikcom kumparan narasi

How We Do It detikcom kumparan narasi **Data Collecting Data Cleansing** covid19-socmed.id **Analytics: Sentiment** sistem AI-powered hoax analyzer **Analytics: Hoax Analysis**

Prosa.ai

What We Implemented



What We Found so far (1)

- Background Information
 - 2 March 2020 First Indonesia patient confirmed
 - 15 March 2020 President urged to apply some forms of social distancing after 117 patients confirmed
 - 31 March 2020 President signed Presidential Order No 21 Year 2020 Policy on Large-Scale Social Restrictions (PSBB) and declared this as a national disaster
 - 6 April 2020 Jakarta became the first city declared Large-Scale Social Restrictions (PSBB)
 - Various cities and provinces declared PSBB after that
 - Late May 2020, new normal started to be applied

What We Found so far: General Data

Total Data

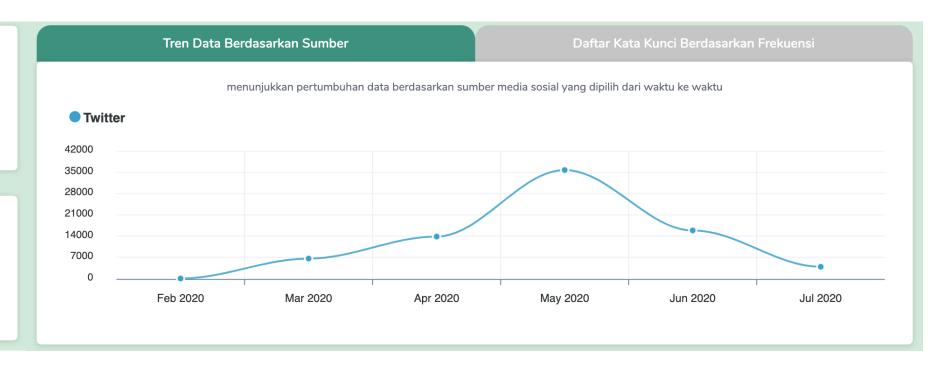
menunjukkan jumlah keseluruhan tweet atau caption dari media sosial yang mengandung sentimen / emosi tertentu

75956

Total Kata Kunci

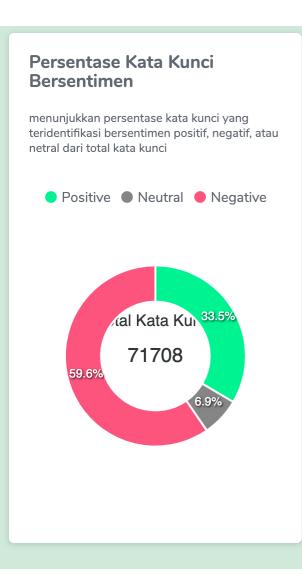
menunjukkan jumlah keseluruhan topik pembicaraan / kata kunci dari data bersentimen di media sosial

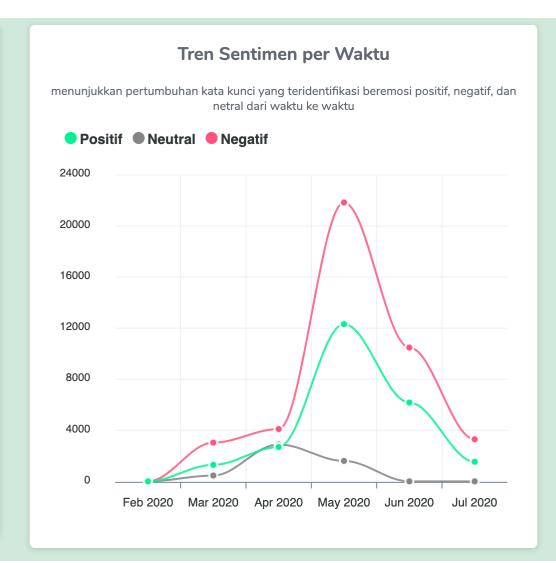
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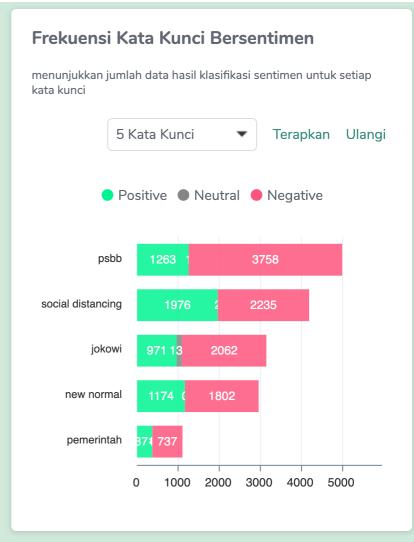




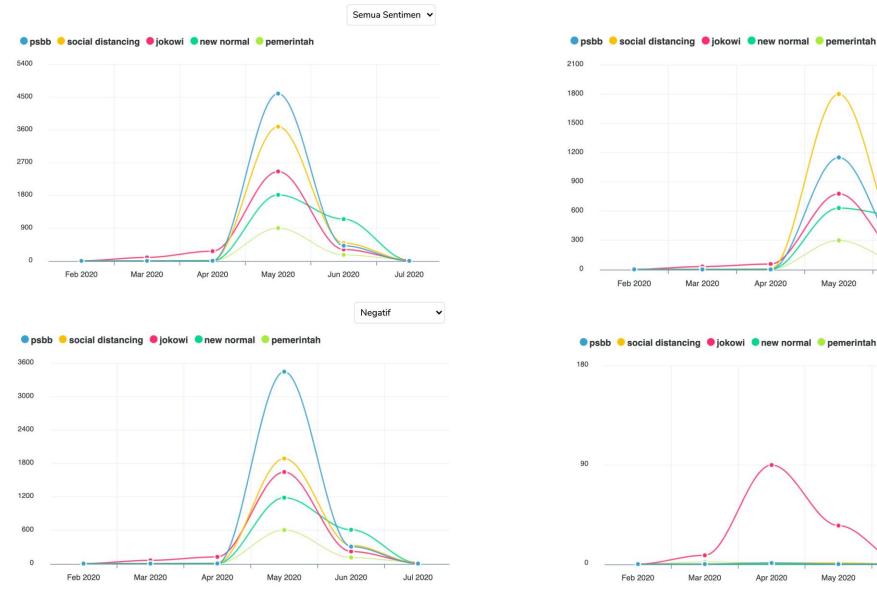
What We Found so far: Sentiment Analysis







What We Found so far: Sentiment Analysis



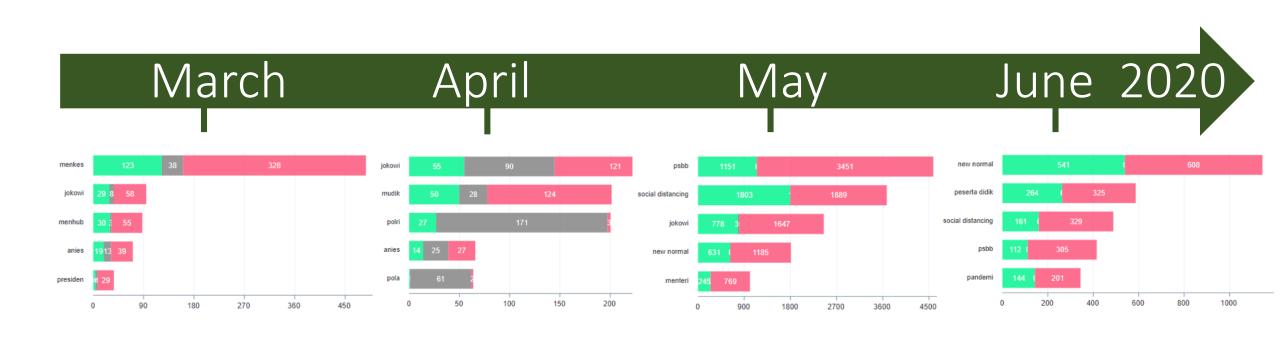
Jun 2020

Netral

Jul 2020

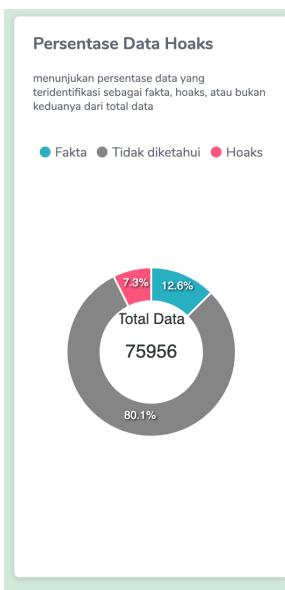
Jul 2020

What We Found so far: Sentiment Analysis



Positive
 Neutral
 Negative

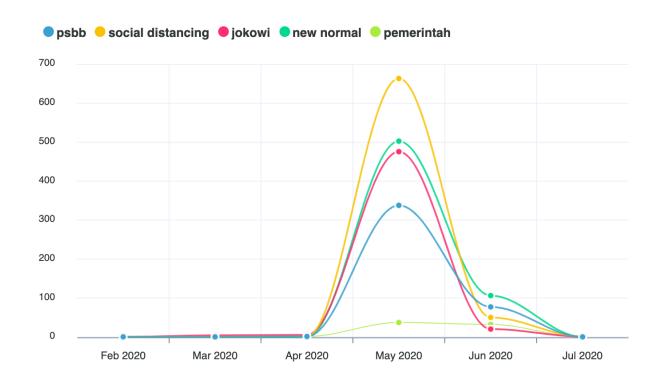
What We Found so far: Hoax Analysis



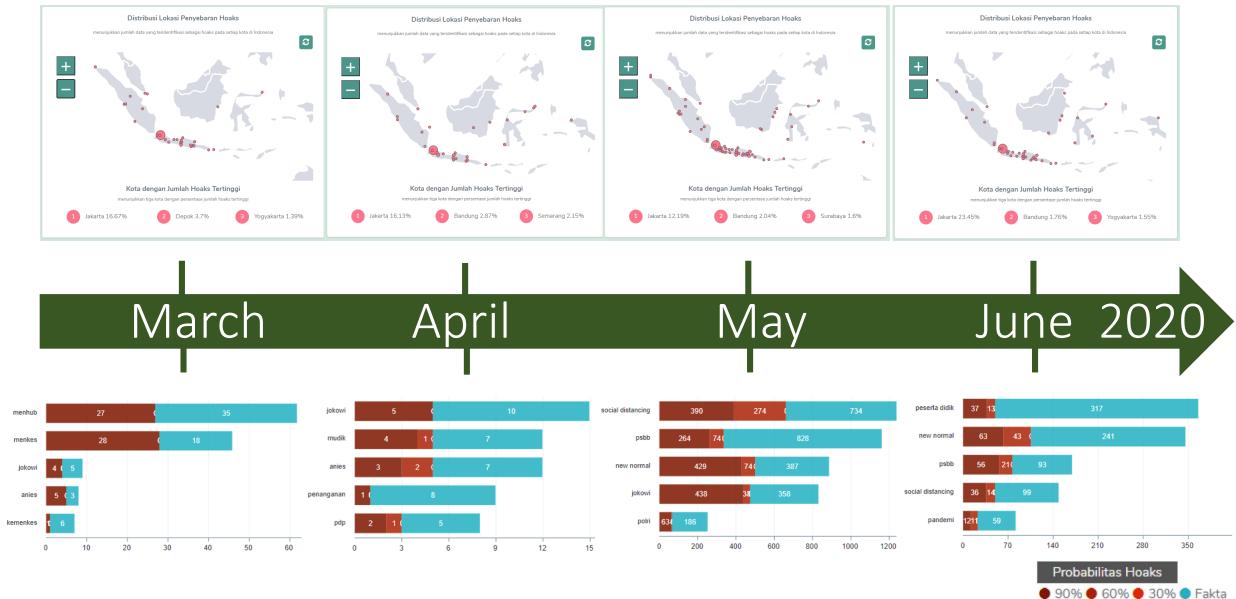




What We Found so far: Hoax Analysis



What We Found so far: Hoax Analysis



Closing

- Social media feeds and News portal can be analysed using Artificial Intelligence Technology
- Two types of analysis are conducting in covid19-socmed.id
 - Sentiment Analysis
 - Hoax analysis
- Data collected can be analysed further to find out what people's opinion during the pandemic
- It may be of beneficial when someday in the future we look back to see how we discuss the covid19 in the year of 2020.