

ABSTRAK

Analisis Sentimen Konflik Palestina-Israel Menggunakan ANN, Penelitian ini mengkaji respons emosional masyarakat terhadap konflik Palestina-Israel melalui media sosial dengan menggunakan metode Artificial Neural Network (ANN). Penelitian ini bertujuan untuk memahami respons emosional dan opini publik terhadap konflik Palestina-Israel melalui analisis sentimen di media sosial menggunakan Artificial Neural Network (ANN). Penelitian dilakukan dengan mengumpulkan data dari media sosial seperti X, Instagram, dan Youtube, kemudian melakukan preprocessing data yang meliputi case folding, data cleansing, normalisasi bahasa, stopword removal, tokenizing, dan stemming. Artificial Neural Network digunakan untuk mengidentifikasi pola dalam data dan melakukan klasifikasi sentimen. Arsitektur Artificial Neural Network melibatkan lapisan input, hidden layer, dan output layer, serta proses pelatihan model menggunakan algoritma backpropagation. Hasil analisis menunjukkan distribusi sentimen publik terhadap konflik Palestina-Israel, dengan visualisasi data yang menunjukkan proporsi sentimen positif, negatif, dan netral.

Kata Kunci: Analisis, Sentimen, Jaringan Saraf Tiruan

ABSTRACT

Sentiment Analysis of the Palestine-Israel Conflict Using ANN. This research examines the public's emotional response to the Palestine-Israel conflict via social media using the Artificial Neural Network (ANN) method. This research aims to understand the emotional response and public opinion towards the Palestine-Israel conflict through sentiment analysis on social media using Artificial Neural Network (ANN). The research was carried out by collecting data from social media such as Artificial Neural Networks are used to identify patterns in data and perform sentiment classification. The Artificial Neural Network architecture involves an input layer, hidden layer, and output layer, as well as a model training process using the backpropagation algorithm. The results of the analysis show the distribution of public sentiment towards the Palestine-Israel conflict, with data visualization showing the proportion of positive, negative and neutral sentiment.

Keyword: *Analysis, Sentiment, Artificial Neural Network*