

### **Abstract**

**The mismatch between the headline and the topic on a news becomes a separate issue in searching for news. This is important to help newsmakers in determining the right topic on the news that has been made. In this research the topic of Indonesian language news will be classified into a multi-label using Artificial Neural Network (ANN) so as to get the right label classification based on the news topic. Text data will be input and feature extraction using weighting TF-IDF to get vector-shaped data. Based on the result of the research, the maximum combination of epoch parameters, learning rate, number of neurons, alpha at the most optimum are 400, 0.02, 20, 0.3 with loss 0.0021.**

**Keywords: news topic, classification, multi-label, ANN.**