

**Abstract**

**There is a negative influence from the ease with which information can be obtained in today's society, with one example being the proliferation of internet hoaxes. To the tune of 92.40 percent, social media platforms like Twitter are utilized to disseminate hoaxes. Launched on July 13, 2006, Twitter is a microblogging service on which users may disseminate information at no cost to themselves or others. This research will use the Long Short-Term Memory (LSTM) technique, together with Gate Recurrent Unit (GRU) and gloVe feature expansion, to identify false stories shared on the social media platform Twitter.**

**Keywords: Hoax, Twitter, Long Short - Term Memory (LSTM), Gate Recurent Unit (GRU). gloVe**

