ABSTRACT

This research develops a Knowledge Graph Reasonig-based fact-checking system to verify information about the profiles of Indonesian presidential and vice presidential Candidates in the 2024 elections. This system aims to reduce the spread of political misinformation by using a Knowledge Graph that represents the relationship between entities. The validation process involves entity extraction using NLP on the Knowledge Graph, fact checking using SPARQL, and semantic similarity analysis using cosine similarity. Test results show that the system can verify Claims with a prediction accuracy of 100% and similarity reaching 4.62%.

Keywords: *fact-checking, Knowledge Graph reasonig.*