

ABSTRACT

This research develops an AI-based application to address the rapidly growing challenge of disinformation, driven by an awareness of AI's potential and the limitations of large language models (LLMs) such as knowledge cut-offs and hallucinations. This application is designed to provide real-time information and detect potential misinformation, leveraging n8n workflows to integrate various AI tools and data sources. The main workflow involves processing user input via Webhooks, image analysis using OpenAI (if applicable), web information retrieval via Firecrawl, and synthesizing relevant, verified responses using LLMs (Gemini, Grok, and others). Data is chunked and stored in Qdrant for efficient information retrieval. This development aims to empower users to distinguish factual information from misinformation, which is relevant given the vulnerability of Indonesian society to disinformation due to low literacy rates and emotional influence. The expected outcome is a potential news detection assistance tool, which can be further developed to face the challenges of rapid information dissemination by AI. This application highlights how n8n can be used to build complex AI systems that efficiently process and verify information.

Keywords: LLM, Gemini, Grok, AI, knowledge.