INTISARI

Stunting adalah kondisi di mana pertumbuhan anak balita terhambat akibat kekurangan asupan gizi pada periode kritis perkembangannya, sehingga tinggi badan anak menjadi lebih pendek dari standar usianya. Permasalahan stunting menjadi serius di Indonesia terutama di negara berkembang dikarenakan stunting dapat berpotensi merugikan kualitas Sumber Daya Manusia (SDM) di masa depan. Penanganan stunting sangat penting karena dapat memengaruhi perkembangan fisik dan mental anak. Untuk mengatasi permasalahan tersebut, dibuatlah suatu chatbot berbasis website menggunakan algoritma Bidirectional Encoder Representations from Transformers (BERT). Chatbot ini bertujuan memberikan informasi dan edukasi kepada masyarakat mengenai bahaya stunting dan cara penanganannya. Dengan mengimplementasikan algoritma BERT, chatbot ini berhasil mencapai akurasi sebesar 95% serta dapat memberikan respons yang tepat dan sesuai terhadap pertanyaan pengguna. Keberhasilan ini menunjukkan potensi besar dalam meningkatkan pemahaman masyarakat terhadap stunting serta memberikan solusi edukatif yang lebih efektif.

Kata kunci: Stunting, Chatbot, Informasi, Edukasi, Bidirectional Encoder Representations from Transformers (BERT)

ABSTRACT

Stunting is a condition in which the growth of toddlers is hindered due to insufficient nutritional intake during critical periods of development, resulting in the child's height being shorter than the age standard. The issue of stunting is a serious concern in Indonesia, especially in developing countries, as it has the potential to adversely affect the quality of Human Resources (HR) in the future. Addressing stunting is crucial because it can impact the physical and mental development of children. To tackle this issue, a website-based chatbot was created using the Bidirectional Encoder Representations from Transformers (BERT) algorithm. This chatbot aims to provide information and education to the public about the dangers of stunting and its management. By implementing the BERT algorithm, the chatbot achieved an accuracy of 95% and demonstrated the ability to provide accurate and relevant responses to user queries. This success indicates significant potential in enhancing public understanding of stunting and offering more effective educational solutions..

Keywords : Stunting, Chatbot, Information, Education, Bidirectional Encoder Representations from Transformers (BERT)