

# Pengembangan Sistem Informasi Data Sentimen Kementerian Kesehatan Subsistem Stunting = Development of Ministry of Health's Sentiment Data Information System For the Stunting Subsystem

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## Abstrak

Stunting merupakan salah satu dari triple burden of malnutrition terjadi di seluruh dunia termasuk Indonesia. 149,2 juta balita mengalami stunting. Prevalensi stunting di Indonesia pada tahun 2022 mencapai 21,6% diatas target RPJMN 2020-2024 yakni 14%. Kementerian Kesehatan membentuk Tim Kerja Percepatan Percepatan Penurunan Stunting pada tahun 2023. Berdasarkan beberapa penelitian masih terdapat persepsi terkait stunting dan penanggulangannya yang salah dan negatif beredar di masyarakat. Diperlukan umpan balik dari masyarakat yang dapat memberikan informasi tersebut, namun sistem yang ada belum mengakomodir kebutuhan informasi tersebut. Umpan balik tersebut bisa didapatkan melalui platform media sosial yang memuat opini publik. Indonesia merupakan pengguna media sosial X/twitter terbanyak di tingkat global. Tujuan penelitian ini untuk mendapatkan hasil analisis sentimen (positif, negatif dan netral) serta tren isu terkait stunting dan penanganannya yang beredar di masyarakat bersumber media sosial twitter yang akan digunakan oleh Direktorat Gizi, Kesehatan Ibu dan Anak bekerja sama dengan unit terkait melalui pengembangan Sistem Data Sentimen Kementerian Kesehatan. Penelitian dilakukan dengan metode kualitatif untuk mendapatkan kebutuhan pengembangan sistem, selanjutnya diterapkan pada modeling sistem informasi dimulai dengan diagram konteks, Data Flow Diagram (DFD) level 1, Entity Relational Diagrams (ERD), Table Relational Diagram (TRD) dan Flow Charts. Pengembangan sistem dilakukan dengan model iterative dan incremental.

.....Stunting is one of the triple burden of malnutrition occurring throughout the world, including Indonesia. 149.2 million toddlers are stunted. The prevalence of stunting in Indonesia in 2022 will reach 21.6% above the 2020-2024 RPJMN target of 14%. The Ministry of Health, has formed a Working Team to Accelerate the Reduction of Stunting in 2023. Based on several studies, there are still wrong and negative perceptions regarding stunting and its countermeasures circulating in society. Feedback is needed from the public who can provide this information, but the existing system has not accommodated this information need. This feedback can be obtained through sosial media platforms that contain public opinion. Indonesia is the most X/Twitter sosial media users at the global level. The purpose of this study was to obtain the results of sentiment analysis (positive, negative and neutral) as well as trending issues related to stunting and its handling circulating in the community based on Twitter sosial media which will be used by the Directorate of Nutrition, Maternal and Child Health in collaboration with related units through the development of the Ministry of Health's Sentiment Data System. The research was conducted using qualitative methods to obtain system development requirements which were then applied to information system modeling starting with context diagrams, level 1 Data Flow Diagrams (DFD), Entity Relational Diagrams (ERD), Table Relational Diagrams (TRD) and Flow Charts. System development is carried out with an iterative and incremental model.