ABSTRAK

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Judul Laporan Akhir Studi : Desain Dashboard REHAB-BI Berbasis CRISP-DM untuk Pemantauan Kesehatan Remaja di RW II Kalipancur

Jumlah Halaman : ... Lampiran Depan + ... Halaman + ... Lampiran Belakang + ... Tabel + ... Gambar

Latar Belakang : Pemantauan kesehatan remaja di Posyandu Remaja Rindu Ayangsa RW II Kalipancur masih dilakukan secara manual melalui pencatatan di kertas dan input data ke Google Form. Hal ini berpotensi menimbulkan keterlambatan, kesalahan pencatatan, serta keterbatasan dalam penyajian data kesehatan. Oleh karena itu diperlukan sistem berbasis Business Intelligence yang mampu menyajikan data kesehatan remaja secara real-time, interaktif, dan mudah dipahami.

Metode : Penelitian ini menggunakan metodologi CRISP-DM (*Cross-Industry Standard Process for Data Mining*) dengan enam tahapan: business understanding, data understanding, data preparation, modeling, evaluation, dan deployment. Perancangan dashboard dilakukan dengan Tableau Business Intelligence untuk mendukung pengolahan dan visualisasi data hasil pemeriksaan kesehatan remaja.

Hasil : Penelitian berhasil menghasilkan dashboard REHAB-BI yang mampu menyajikan visualisasi data kesehatan remaja secara real-time. Dashboard ini menyajikan visualisasi interaktif berupa grafik dan diagram, dilengkapi fitur backdate untuk analisis periode tertentu, serta mendukung ekspor data ke berbagai format (XLS, JPEG, PNG, PDF). Total data yang digunakan dalam uji coba berasal dari hasil pemeriksaan kesehatan di Posyandu Remaja Rindu Ayangsa RW II Kalipancur.

Kesimpulan : Dashboard REHAB-BI terbukti mampu mendukung pencatatan dan pemantauan kesehatan remaja secara lebih efisien, interaktif, dan berbasis data. Sistem ini dapat membantu kader posyandu dan tenaga kesehatan dalam menganalisis tren kesehatan serta mendukung pengambilan keputusan.

Kata Kunci : Dashboard, Business Intelligence, CRISP-DM, Kesehatan Remaja, Tableau

ABSTRACT

***Name** : Iqbal Safiudin*

***Final Project Title** : Design of REHAB-BI Dashboard Based on CRISP-DM for Adolescent Health Monitoring in RW II Kalipancur*

***Total Pages** : ... Preliminary Attachments + ... Main Pages + ... Appendices + ... Tables + ... Figures*

***Background** : Adolescent health monitoring at Rindu Ayangsa Adolescent Integrated Health Post (Posyandu Remaja) RW II Kalipancur is still conducted manually through paper-based recording and data input into Google Forms. This condition may cause delays, recording errors, and limitations in presenting health data. Therefore, a Business Intelligence–based system is needed to provide adolescent health data in a real-time, interactive, and easy-to-understand format.*

***Method** : This study employed the **CRISP-DM (Cross-Industry Standard Process for Data Mining)** methodology consisting of six stages: business understanding, data understanding, data preparation, modeling, evaluation, and deployment. The dashboard was designed using **Tableau Business Intelligence** to support data processing and visualization of adolescent health examination results.*

***Results** : The study successfully developed the **REHAB-BI dashboard**, which presents adolescent health data visualization in real time. The dashboard provides interactive visualizations in the form of charts and diagrams, is equipped with a backdate feature for period-based analysis, and supports data export in various formats (XLS, JPEG, PNG, PDF). The dataset used in the trial was obtained from adolescent health examination results at Rindu Ayangsa Posyandu Remaja RW II Kalipancur.*

***Conclusion** : The REHAB-BI dashboard has proven effective in supporting adolescent health recording and monitoring in a more efficient, interactive, and data-driven manner. This system helps cadres and health workers analyze health trends and supports data-driven decision-making.*

***Keywords** : Dashboard, Business Intelligence, CRISP-DM, Adolescent Health, Tableau*