

ABSTRAK

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Pengembangan Sistem Informasi Pengawasan Sanitasi Depot Air Minum Isi Ulang di Dinas Kesehatan

xii + 116 halaman + 20 tabel + 40 gambar + 33 lampiran

Sistem informasi pengawasan sanitasi depot air minum isi ulang yang dikembangkan saat ini, di Dinas Kesehatan Kota Kupang, kurang berjalan optimal, karena dari segi *input*, pelaporan Puskesmas masih berbasis kertas (*paper based*) dan adanya keterlambatan pelaporan karena beban kerja yang banyak; dari segi proses, pengolahan data belum menggunakan sistem manajemen basis data; segi *output*, penggunaan informasi yang dihasilkan belum lengkap. Tujuan penelitian ini adalah mengembangkan model Sistem Informasi Manajemen berbasis data (*data based*) untuk meningkatkan fungsi pengawasan sanitasi depot air minum isi ulang di Dinas Kesehatan.

Penelitian ini merupakan jenis rancangan penelitian pra eksperimental. Instrumen penelitian untuk analisis kebutuhan sistem menggunakan pedoman observasi dan wawancara mendalam (*indepth interview*). Pengembangan sistem menggunakan tahapan FAST (*Framework for the Application of Sistem Technique*) dan metode kuantitatif digunakan untuk mengevaluasi kualitas informasi sebelum dan sesudah pengembangan sistem informasi. Analisis data menggunakan analisis isi (*content analysis*) dan analisis deskriptif.

Hasil dari penelitian menunjukkan bahwa *database* yang dikembangkan untuk sistem informasi pada pengawasan depot air minum menggunakan program MySQL dengan skema rancangan ERD dan normalisasi. Kinerja sistem informasi pengawasan depot air minum isi ulang yang baru lebih baik daripada sistem yang lama. Hal ini terlihat dari hasil pengukuran rata-rata tertimbang, indikator ketepatan waktu, kejelasan dan kemudahan informasi, dimana skor sistem baru lebih tinggi daripada skor penerapan sistem lama.

Kata Kunci : Sistem Informasi, Pengawasan Sanitasi Depot dan Basis Data

Kepustakaan : 36 (1988-2012)

ABSTRACT

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Information System Development to Monitoring Sanitation of Drinking Water in Refill Depots at Health Office

xii + 116 pages + 20 tables + 40 figures + 33 enclosures

The current information system to monitoring sanitation of drinking water in refill depots developed at Kupang City Health Office has not been done optimally. In terms of the input aspects, health center reports still use paper based and there is still any lateness in reporting due to heavy workload. Regarding process aspects, data processing has not used a data-based management system. Viewed from output aspect, it indicates that the use of resulted information is not complete. This research aimed to develop data-based management information system to improve the function of monitoring sanitation of drinking water in refill depots at Health Office.

This was pre-experiment design. Research instruments to analyze system necessity used observation guidance and indepth interview. Development of the system used a method of FAST (Framework for the Application of System Technique) and a quantitative method was conducted to evaluate information quality before and after developing information system. Furthermore, data were analyzed using content analysis and descriptive analysis.

The result of this research showed that the developed database used a MySQL program with scheme of ERD design and normalization. Performance of the new system was better than the old system. The result of measurements based on the balanced average revealed that scores of timeliness, clarity, and easiness to obtain information in the new system were higher than that of the old system.

Key Words : Information System, Monitoring Depot Sanitation, Data Basis

Bibliography : 36 (1988-2012)