Analisis Faktor-Faktor yang Memengaruhi Kesuksesan Implementasi Sistem BMKGSoft: Studi Kasus Badan Meteorologi Klimatologi dan Geofisika = Analysis of Factors that Affects the Succesful Implementation of BMKGSoft System: A Case Study at Meteorological, Climatological and Geophysical Agency

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Abstrak

ABSTRAK
Dalam rangka pengelolaan data yang terintegrasi, terpusat dan dapat diakses secara online, demi meningkatkan kualitas pelayanan data dan informasi MKG yang cepat, tepat dan handal, BMKG berupaya menerapkan Sistem E-Government bernama Sistem BMKGSoft. Implementasi sistem ini diharapkan dapat berhasil dan mampu menjadi single data provider BMKG. Namun di dalam pelaksanaannya, terdapat berbagai permasalahan yang mengindikasikan implementasi sistem ini belum sukses, diantaranya target monitoring pengiriman data yang tidak tercapai akibat kurangnya entry data hasil pengamatan oleh pegawai di UPT, fitur aplikasi yang belum lengkap, ketersediaan data level 2 yang belum lengkap, belum up-to-date dan belum akurat, format keluaran yang belum sesuai harapan serta belum adanya SOP mengenai entry data hasil pengamatan yang mampu mencerminkan tujuan single data provider. Hal ini menyebabkan harapan Sistem BMKGSoft sebagai single data provider belum dapat tercapai. Berdasarkan hal tersebut, penelitian ini ingin melakukan identifikasi terhadap faktor-faktor kesuksesan implementasi Sistem BMKGSoft. Penelitian ini menggunakan model kesuksesan informasi dari Delone dan Mclean 2003 yang dimodifikasi dengan penambahan variabel dari rujukan penelitian terdahulu. Variabel yang digunakan yaitu: System quality, information quality, service quality, facilitating condition, extrinsic motivation, organizational support, management support, intention to use, user satisfaction dan net benefit. Metode analisis data menggunakan Partial Least Square Structural Equation Modeling PLS-SEM dan tools smartPLS 3.2.7. Hasil analisis menunjukkan faktor-faktor yang memengaruhi kesuksesan implementasi Sistem BMKGSoft adalah system quality, information quality, service quality, extrinsic motivation, intention to use, user satisfaction dan net benefit.
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ABSTRACT
Meterological, Climatological and Geophysical Agency BMKG have to manage data that is integrated, centralized and accessible online, in order to improve the quality of Meterological, Climatological and Geophysical data and information quickly, accurately and reliably, BMKG seeks to implement the E Government System called BMKGSoft System. Implementation of this system is expected to be successful and able to become single data provider BMKG. But in fact, there are various problems that indicate the implementation of this system has not been successful, such as The target monitoring of data transmission that is not achieved due to lack of data entry observations by employees in the stations, application features incomplete, the availability of data level 2 is not complete, not up to date and not yet accurate, output format that has not been as expected and the absence of Standard of Procedure on data entry observations that are able to reflect the single provider data destination. This has led to the expectation of BMKGSoft System as

single data provider yet to be achieved. Based on this, this study would like to identify the factors of successful implementation of BMKGSoft System. This study uses the success model of information from Delone and Mclean 2003 , modified with the addition of variables from previous research references. The variables used are System quality, information quality, service quality, facilitating condition, extrinsic motivation, organizational support, management support, intention to use, user satisfaction and net benefit. Methods of data analysis using Partial Least Square Structural Equation Modeling PLS SEM and tools smartPLS 3.2.7. The results of the analysis show that factors affect the success of BMKGSoft system implementation are system quality, information quality, service quality, extrinsic motivation, intention to use, user satisfaction and net benefit