

Evaluasi kesadaran keamanan informasi pegawai: studi kasus Badan Pusat Statistik = Security awareness evaluation: a case study at Statistics Indonesia

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Abstrak

Proses bisnis Badan Pusat Statistik (BPS) menggunakan Teknologi Informasi dan Komunikasi (TIK) secara ekstensif terutama dalam pengolahan data dan diseminasi hasil kegiatan statistik. Hal tersebut membutuhkan sistem keamanan informasi yang andal sesuai harapan. Namun, masih ditemukan insiden-insiden yang diindikasikan karena kurangnya kesadaran pegawai terhadap keamanan informasi. Faktor manusia selalu menjadi titik terlemah dalam sistem keamanan informasi. Oleh sebab itu, penelitian ini fokus pada aspek manusia tersebut dengan melakukan evaluasi kesadaran keamanan informasi pegawai BPS. Evaluasi dilakukan dengan pendekatan survei menggunakan kuesioner pada dimensi pengetahuan dan perilaku pegawai dalam 8 area kesadaran keamanan informasi. Sampel survei diambil secara probalistik dengan metode acak sistematis. Hasilnya, dari 231 responden yang merespons disimpulkan bahwa tingkat kesadaran keamanan informasi pegawai BPS masih kurang baik. Terdapat area-area yang perlu mendapatkan prioritas perbaikan, tiga area paling butuh perbaikan yaitu: penggunaan internet, pelaporan insiden, dan keamanan komputer kerja. Hasil analisis juga mengungkapkan bahwa tidak ada perbedaan yang signifikan tingkat kesadaran keamanan informasi berdasarkan jenis kelamin, kelompok umur, maupun satuan kerja pegawai.

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The business process of the Statistics Indonesia (BPS) uses Information and Communication Technology (ICT) extensively, especially in data processing and dissemination. This requires a reliable information security system as expected. However, incidents were still found that were indicated due to a lack of employees information security awareness (ISA). Human factors have always been the weakest point in information security systems. Therefore, this study focuses on the human aspect by conducting an evaluation of employees information security awareness. A survey approach using a questionnaire was used to evaluate on employees knowledge and behavior in 8 areas of information security awareness. Survey samples were taken with a systematic random sampling method. As a result of 231 response, concluded that the level of employees information security awareness at BPS is not good enough. There are areas that need to be prioritized for improvement, the top three areas that need for improvement are: internet usage, incident reporting, and workstation security. Analysis also revealed that there was no significant difference in the level of information security awareness based by gender, age group, or employee working unit.