

ABSTRACT

DESIGNING OF PERSONAL DATA PROTECTION IN SISTEM INFORMASI ADMINISTRASI KEPENDUDUKAN (SIAK) APPLICATION ON THE PROCESS OF PERSONAL DATA RETENTION (CASE STUDY: DISDUKCAPIL CIMAHI CITY)

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The growth of Information Technology is now growing rapidly. It was followed by increasing threads and risks from the use of these technologies. One of them is Personal Data. Personal data is one of asset or information that must be protected. It is because personal data can be misused by other peoples. Therefore, the government has published Peraturan Menteri Komunikasi dan Informatika No. 20 Tahun 2016 tentang Perlindungan Data Pribadi. In implementing that regulation, DISDUKCAPIL Kota Cimahi must apply protection of personal data in accordance with the regulation. To implementing these regulation, gap analysis need to be done to see the level of conformity with Peraturan Menteri Komunikasi dan Informatika No. 20 Tahun 2016. Then, conduct risk assessment based on result of gap analysis using ISO 31000:2018 that focused to Risk Management. After that, risk control need to be done using standard of ISO 27001:2013 it focused to Information Security Management. The final results of this research is make a design recommendation of job description in people aspects, regulation, Standard Operational Procedure in process aspects, and technology recommendation.

Keywords : Personal Data, Personal Data Protection, ISO 31000, ISO 27001