

Perancangan standar arsitektur untuk implementasi PIN pada transaksi kartu kredit di mesin EDC : studi kasus PT Bank ABC Tbk =
Architectural design standards for implementation PIN on credit card transactions at EDC machine case study at PT Bank ABC Tbk

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20404186&lokasi=lokal>

Abstrak

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PT Bank ABC Tbk sebagai salah satu bank yang bergerak di industri keuangan dituntut untuk menyesuaikan kebutuhan industri mengenai pengamanan transaksi kartu kredit. Bank Indonesia sebagai regulator mewajibkan setiap bank untuk mengimplementasikan PIN pada transaksi kartu kredit di Mesin EDC. Proses implementasi PIN memerlukan penyesuaian yang meliputi perubahan pada kartu, EDC dan back end system. Penyesuaian yang dilakukan berdampak pada proses bisnis kartu kredit hingga arsitektur teknologi yang digunakan. Pada penelitian ini digunakan framework TOGAF sebagai langkah kerja dalam memadukan proses bisnis organisasi, data dan arsitektur teknologi agar sesuai dengan standar dari EMVCo, PCI-DSS, Visa dan Mastercard. Hasil penelitian ini berupa solusi penyesuaian data, fitur serta alur pengembangan aplikasi yang dapat dijadikan acuan untuk perancangan standar arsitektur untuk implementasi PIN pada Transaksi Kartu Kredit.

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ABSTRACT

PT Bank ABC Tbk as one of the banks in the financial industry is required to match industry needs regarding security of the credit card transactions. Bank Indonesia as the regulator requires each bank to implement PIN on credit card transactions at EDC machine. PIN implementation process requires adjustments include changes to the card, the EDC and the back end system. Adjustments made an impact on the credit card business processes to architecture technology used. In this study used TOGAF framework as a step in the work to integrate the organization's business processes, data and technology architecture to match the standard of EMVCo, PCI-DSS, Visa and Mastercard. The results of this study is in the form of data matching solutions, application development features and workflow which can be used as standard reference for designing the architecture for the implementation of the PIN on Credit Card Transactions.;PT Bank ABC Tbk as one of the banks in the financial industry is required to match industry needs regarding security of the credit card transactions. Bank Indonesia as the regulator requires each bank to implement PIN on credit card transactions at EDC machine. PIN implementation process requires adjustments include changes to the card, the EDC and the back end system. Adjustments made an impact on the credit card business processes to architecture technology used. In this study used TOGAF framework as a step in the work to integrate the organization's business processes, data and technology architecture to match the standard of EMVCo, PCI-DSS, Visa and Mastercard. The results of this study is in the form of data matching solutions, application development features and workflow which can be used as standard reference for designing the architecture for the implementation of the PIN on Credit Card Transactions.;PT Bank ABC Tbk as one of the banks in the financial industry is required to match industry needs regarding security of the credit card transactions. Bank Indonesia as the regulator requires each bank to implement PIN on credit

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