

ABTRACK

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INTEGRASI SISTEM KUNANG-KUNANG DENGAN *VIRTUAL PRIVATE NETWORK* MENGGUNAKAN *OPENVPN* DI PERPUSTAKAAN NASIONAL REPUBLIK INDONESIA

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(xvi + 75 + Lampiran)

Kunang-Kunang is a system that provides information in the form of internet capacity, number of members, number of guests, number of internet users and number of visitors. The data then used as material for assistance and advocacy in supporting Transformation of Social Inclusive Library. The system with the PHP CI platform, mysql database and FreeBSD Operation System with pfSense tools in implementation uses a local network and when reporting data to the center still uses manual methods. So that needs to integrate system to solve problems during reporting to Perpustakaan Nasional R.I. The integration method used Vertical Integration Method because platform used in each area as well as this method the most appropriate. Vertical Integration is the process of integrating sub-systems based on functionality by connecting existing sub-systems so that can interact with a centralized system while remaining based on the old sub-system architecture. In addition using Vertical Integration method, OpenVPN also used because the datacenter infrastructure is inadequate in regions. OpenVPN used to connect regional Kunang-Kunang server with nasional server so that the Kunang-Kunang center can access all Kunang-Kunang regionals and then data from regionals will be collected in Kunang-Kunang center with webservice database.

Daftar Pustaka (2006 - 2020)