

ABSTRACT

The Internet is one of information technology that progress is very rapidly and equitable nearly worldwide. Like a sent regular mail to each other was being replaced to the electronic mail caused a presents of Internet. Internet could carry many advantage, but not leave the negative effects that can inflict. Negative impact of Internet could be shown when its use unmanaged. For example, the hacking incident was happen in a company by irresponsible parties, because the Internet that connecting a company not protected by the protection systems. The risk that owned by Internet is not merely hacking the external to internal network, but also possible the contrary. As an example, when an employees surfing on the Internet then intentionally accessing the website that storing malware and computer was infected then destructive important data.

The research in Bandung District Administration got results that the internal network is supposedly intended for institutional affairs have not been optimal in its use, there are any security issue's in accessing websites that should be blocked. By that case, should be implementing the optimization. Optimization began with identificate an existing network security infrastructure, then continue to analyze a security needs and ISO/IEC 27000 Series standard. It research done using the NDLC (Network Development Life Cycle) methodology.

Results of its research could be use as a blueprints or guidance by Bandung District Administration to do optimization an existing network security infrastructure.

Keywords:

Internet, network security, ISO/IEC 27000 series, NDLC.