

## **ABSTRACT**

*Computer network is not something new currently. In virtually every companies are computer network to facilitate the information in the company. Many needs access and communications network and performance must be in good condition, then network operators must be able to solve the main problem that provide services good performance to deliver services convenient to a user.*

*Refers to the government regulation no 82 Tahun 2012 Pasal 20 tentang Penyelenggara Sistem dan Transaksi Elektronik then required asesors whether the issues of a that is in BP3TI is in line with the rules expected seen before no one has ever research on tissue internal network in BP3TI, and give the recommendation or advice to the staff it his to design a optimization on the network if known a shotage. Calculation methods were used is the method PPDIOO of cisco.*

*From the research obtained we can conclude that a method of PPDIOO not only used to design a network of course but it could be used assess and it can be optimize network previously existing.*

*Keywords: PPDIOO, Computer Networking, BP3TI, Asessment*

## INTISARI

Jaringan komputer bukanlah sesuatu yang baru saat ini. Hampir di setiap perusahaan terdapat jaringan komputer untuk memperlancar arus informasi di dalam perusahaan tersebut. Banyaknya kebutuhan akses dan komunikasi maka kinerja jaringan harus berada pada kondisi yang baik, maka operator jaringan harus dapat memecahkan masalah utama yaitu menyediakan kinerja layanan yang bagus untuk dapat memberikan layanan yang nyaman kepada pengguna.

Mengacu pada Peraturan Pemerintah No 82 tahun 2012 Pasal 20 tentang Penyelenggara Sistem dan Transaksi Elektronik maka diperlukan penilai apakah jaringan yang ada di BP3TI sudah sesuai dengan aturan diharapkan melihat sebelumnya belum pernah ada yang meneliti mengenai jaringan internal yang ada di BP3TI, serta memberikan rekomendasi atau saran kepada pihak staff IT nya guna merancang optimalisasi pada jaringan tersebut bila diketahui ada kekurangan. Metode yang dipakai adalah metode PPDIOO dari cisco.

Dari penelitian yang didapat dapat disimpulkan bahwa metode PPDIOO tidak hanya digunakan untuk merancang jaringan saja namun bisa juga digunakan untuk menilai dan mengoptimalisasi jaringan yang sudah ada sebelumnya.

Kata kunci : PPDIOO, Jaringan Komputer, BP3TI, Penilaian

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