

ABSTRACT

Access optical fiber network in many supply location on the STO Gambir Jakarta Pusat has develop in 2002 in one packet develop project, which the networking develop this use same trade mark and technology with replacing such as 19 node on service site location.

Actually on the location show that from the 19 node, one of node on access network that location in Jl. Samanudi, Pasar Baru (node RK RCC) shown bad historical the relative working or different with the another node.

In this last project, the writer to find the different motive in these case with to saw the aspects that effect of performance.

The writer will be analyze the hardware optical transmission system, analysis of locate condition and the access network installation from side central access network to client node

The writer to estimate that power level receiving in Jl. Samanudi, Pasar Baru, node RCC is not better because influence from remote active hardware, network condition and or the line signal network installation. Analyze of performance base on factor/Loss level and Bit Error Rate with the result that power level receiving appropriate with hopefully.