ABSTRACT

The high Growth of Information Technology made Telecommunication companies improve and develope their service to the customer. One of information and technology development can be seen in multimedia, especially data communication. Data communication with high rate (broadband access) will grow faster. This is because data communication system has been a part of human daily life nowadays.

PT TELKOM, as one of broadband service provider, has also done improvement in internal company, especially improvement for the availibility and feasibility of Speedy Network. One tool which usually be used in this case is GIS, Geographical Information System. The system will help PT Telkom to analyze the availibility and feasibility of Speedy network based on Speedy network requirement. Even though there is some customer that will not be handled, because of the customer's network pulled from DPG/ONU network.

The system is also designed to facillitate three proccess of Speedy which is related with the avalibility and feasibility network. The proccess are applying new line for new customer, repair or switch customer's line, and mutation proccess. The system will display enquiry status of new customer who applies new line, analyze the availibility and feasibility to repair customer's line, mutation proccess, and analyze alocation pair which can be used by customer, like KSB or CAD.

By the system implementation, user will easily analyze availibility and feasibility of line that will be used by new customer, and PT Telkom can give better service to it's customer.

Keyword : GIS, Speedy, Analyze availibility and feasibility network.