

## ABSTRACT

*The high Growth of Information Technology made Telecommunication companies improve and develop 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 availability 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 availability 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 facilitate three process of Speedy which is related with the availability and feasibility network. The process are applying new line for new customer, repair or switch customer's line, and mutation process. The system will display enquiry status of new customer who applies new line, analyze the availability and feasibility to repair customer's line, mutation process, and analyze allocation pair which can be used by customer, like KSB or CAD.*

*By the system implementation, user will easily analyze availability and feasibility of line that will be used by new customer, and PT Telkom can give better service to its customer.*

***Keyword : GIS, Speedy, Analyze availability and feasibility network.***