

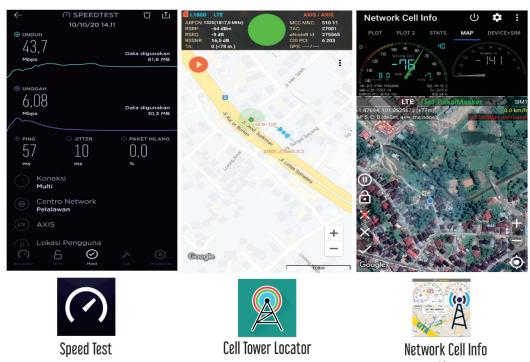


Pengantar Telekomunikasi

Analysis Base Transceiver Station In Different Area



Aplication Used



Kelompok 4

- Hanif Azfa Sadifatiasmi(09011382025135)
- Alan Budi Bakti(09011382025105)
- Tri Windari(09011382025104)
- Putri Nova Apriqanti(09011382025132)
- Cynthia Anggraeni(09011382025116)
- Sultan Zidan(09011382025119)

Short Definition of Base Transceiver Station

Base Transceiver Station is a form of telecommunications infrastructure that is important in realizing wireless communication between network operators and communication devices.

In This Case we analyse In Separated Place
 - Sout Solok, West Sumatera (Muara Labuh)
 - Palembang South Sumatera (KM 7 and Km 6)

And Also Some Different Provider

- Tsel (Muara Labuh and Km 7)
- Axis (KM 7)
- SmartFren (KM 6)

Serving Cell : Signal strength of the cell you're currently connected too

Signal Strength : Reffer to transmitter power output as received by a reference antenna at a distance from transmitting antenna

Speedtest : Measure the speed of the internet betwen your device and test a server, using your device's internet connection

Ping : Is available on every operation system, lowest ping have better server processing speed, so more lowest the ping more better the server speed

Location	Provider	Strength (db)	Speed (Mbps)	Ping (ms)	Analysis
South Solok	Telkomsel	-76	13,4	21	Based on the area, Telkomsel have good signal strength, and smalles Ping. But have average or maybe low internet speed.
KM 7 Palembang	Telkomsel	-83	30,1	29	Based on the area, Axis have better signal strength than Telkomsel and have greater internet speed. But Axis have big
	Axis	-63	43,7	57	Ping that mean server process will be slower than Telkomsel. And KM 7 Palembang Telkomsel have better internet speed than South Solok Telkomsel
KM 6 Palembang	SmartFren	-65	16	34	Based on The area, SmartFren have Good signal strength, but the ping and internet speed are average like Telkomsel in South Solok

Conclusion

If you want a good connection and better service in telecommunication the main source should be the signal strength have less interruption, and have low PING for better server speed. Speed Test app help track of internet speed and ping, Cell Tower Locator and Network Cell Info help track signal strenght and the provider tower location. Telkomsel have cover wider area in West Sumatera with good internet speed than any other provider, and also Telkomsel internet speed will much better in the big city as Palembang in South Sumatera. Like Telkomsel, Axis have good signal strenght and internet speed in big city as Palembang, also with SmartFren have good signal strenght with decent internet speed.