

## ABSTRACT

Service of Broadband Access is not released from exploiting of copper cable network. Copper cable initially only used for the service of POTS ( Plain Old Telephone Service), but at now copper cable can be integrated by using ADSL technology, so that can be conducted by data communications service (internet, picture, video, etc) requiring wide bandwidth and speed of high transmission to be able to access the service.

ADSL (Asymmetric Digital Subscriber Line) representing digital data transmission method with speed of high bit that through network access copper. With capability of ADSL transmission, Interactive service of multimedia be able to through at access copper network.

Hence, to require services of data, should analyse integrated JARLOKAT with ADSL technology for the service of Broadband Access related electric standart such as  $S/N \geq 30$  dB, Loop Resistance  $\leq 1.181 \Omega$ , and Attenuation  $\leq 60$  dB, so that JARLOKAT which initially can only be used as ordinary telephone channel, its exploiting be improved become digital channel of high-speed for the service of data communications.