

## ABSTRACT

Technology of Fixed Mobile Convergence is a solution to develop a system that supports the users accessing their telecommunications services through a variety of access technologies, as well as the traditional means of accessing telecom network including Coax and twisted pair.

The development of this parallel technology of fixed or mobile indicated the convergence of services either for fixed or mobile for the next network there is no more 'fixed' or 'mobile' network but integrated network offer services from wire or wireless terminal.

Using one number for fixed or mobile is the first step to implement FMC in Telkom network. For that, hardware or software are need to be added as requirement to get the success of the implementation

This thesis make an integrated network configuration between fixed network (PSTN) and mobile network (GSM) using IN platform and standarised protocol, which provide flexibility in using fixed or mobile terminal by using same user number/user identity that can be controlled by user terminal.