

## ABSTRACT

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*To reduce the cost of communications, voip technology widely used in various companies. By utilizing network based internet protocol (IP) such as internet. This technology is beneficial as a regular phone. The technology transform analog signals into digital signals that are delivered through internet and will be converted back into sound when the data has arrived on the destination. Voip is the future of technology communication that can be applied in various institutions to support cheap and efficient communication. To build a voip server do not need to build new infrastructure that usually require a huge cost. In scale LAN voip is widely used in various companies to connect one division to another. Voip can be developed by utilizing mobile device such as laptops and smartphones without having to use a cable (wireless), so can increase labor mobility on a company.*

*In this final project, author building a Voip server that intended for mobile devices by using Briker as a softswitch which will be used as the server and the softphone as an application that will be used by the client to use communication.*

*Keywords: Voip, Briker, Softphone, Mobile device*