Abstract

The aim of this research is to focus on comparing 3G and 3.5G technologies from various perspectives including technological, practical, and economical aspects to analyze also understand the concept of the technologies with its benefits and disadvantages, and to develop recommendations on the use of two technologies (3G & 3.5G) in practice.

The thesis will put a focus on analysis of 3.5G, whether this technology can solve the remaining problems of 3G. The methods that used in this research are providing comparison and analysis between both technologies to get secondary data and primary data results. The other method to be used in this research is by interviewing the network providers and Depkominfo staff.

The research results from secondary data will be combined to the primary data to strengthen the hypothesis of whether 3.5G is proven the better technology compared to 3G. The next step is analyzing the data gathered and make a conclusion from the research. Several aspects are used to analyze, compare, and obtain information about the advantage, strength, limitation, and disadvantages of 3G and 3.5G.

To achieve the thesis objectives, all the scopes determine in chapter 1 have to be successfully completed. This research has also managed to provide useful and detailed discussion about 3G and 3.5G mobile wireless technology, which hopefully can be a useful information to the users and other parties.