ABSTRACT

The Problem which caused by telecommunications technology development nowadays cause that we need an supporting instrument of communications technology. One of the supporting instrument was an antenna that will transmits electromagnetic wave signals as a telecommunication medium. Antenna caused some problem too. The problems are a calculation fault and a long time of calculation process. Because of that so we build an simulation application as a medium to simulate acalculation of a parameter antenna so that can reduce the calculation fault. It also can decrease the time of calculation time that will increase the efficiency time. Antenna is a device used to emit or receives electromagnetic waves. Because of that, antenna are an important components to make a telecommunications. Many antenna are used in telecommunications. The Antennas are helix antenna, yagi antenna, parabolic antenna, and dipole antenna. The problems can be solved with an application which can be used as a simulation of a parameter antenna calculations so it is more easily and more efficiency in performing antenna parameters calculations. Antenna parameters simulation application was build by Visual Basic 6.

Keywords: Telecommunication, antennas, visual basic 6.0