ABSTRACT

All communication, for example radio communication eather broadcast, point to point or cellular communication, antenna has important function. Antenna functioned on the end of the trasmitter and in fround off receiver, so that information transmited tread than received by receiver. Antenna function in matching intrinsic impedance of propagation space on the caracteristic impedance of channel of radio frequency electromagnetic.

This project aims to the ***Design and Realization of 2-Wire Triangle Dwitunggal Antenna with a Toroid 100 Ω and Minimum Frequency 1000 MHz.*** Triangle Dwitunggal Antenna is wire this antenna by matching of triangle gradual for wide band with VSWR ≤ 1,5 on minimum frequency 1000 M*Hz*. The design of this antenna aims to get the specification frequency ≥1000M*Hz*, unidirectional polaradiation, linier polarisation, gain ≥ 2,14*dbi* and used female SMA connector

As transmitter antenna has to radieted or transmite direct electromagnetic to anable the transmitted information by the receiver, as well as the receiver can receive or called the elctromagnetic wave on the free space trasmitted b the trasmitter antenna.

Key word : antenna, frequency, toroid matching, triangel gradual matching.