

DESIGN AND DEVELOPMENT OF A HIGH GAIN YAGI ANTENNA
BASED ON THE PRINCIPAL OF PARASITIC ELEMENTS

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MAY-DECEMBER 2004

ABSTRACT

The following report is a document of the project entitled **“Design and Development Of A Gain Yagi Antenna Based On The Principal Of Parasitic Elements”**. Design for such an antenna requires the proper formulas and also desired frequency. In particular, the spacing, length and diameter of the elements are much of interest. The design are done based on the calculation given by an example. In order to know the desired parameters of the antenna, the antenna is tested on the **NETSTUMBLER**.

Upon constructing this antenna, the gain plays an important role. This antenna is designed to have high gain which is about 3dB. The boom is measured precisely according to wavelength to have better radiation.