

# **TV ANTENNA SCHEME WITH CONTROL SYSTEM AND THE QUALITY OF THE UHF SIGNAL ACQUISITION**

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## **ABSTRACT**

Timely technology is technology that is suited to the needs of the community. It can be utilized at certain timescales. Along with the development of science and technology, it supports people to create a creative work using technology for the community. Our main goal in creating this technological innovation is to replace the role of humans in creating an engineering product with technology to get more effective, efficient and quality. Several types of TV station have been cultivated properly and optimally. However, in various regions in Indonesia, many people still use manual methods to meet the needs of transmitter reception signals from relay stations. Therefore, for the sake of optimizing the needs of fulfilling signal consumption to customers, the researcher makes tools that may help to fulfill signal stability. The tool is a microcontroller antenna that will help the clarity of signal receiver quality. It will be easier to see an event, so the results of the Uhf signal stability increase.

*Keywords: UHF Signal, Microcontroller Antenna, Arduino Uno, TV Antenna Scheme*