

ABSTRACT

Based on the opinions above, it can be concluded that measurement is a systematic procedure for obtaining quantitative data information, both data expressed in the form of numbers and accurate, relevant and reliable descriptions of the attributes measured with good measuring instruments and appropriate measurement procedures. clear and correct. According to the Big Indonesian Dictionary (KBBI), a curve is a curved line that depicts a graph of variables that are influenced by circumstances. There are limited tools or measurement systems for identifying diode characteristic curves for use in practical activities. So an alternative solution is needed for a practical diode characteristic curve identification measurement tool or system at an affordable price so that it can be used by all laboratories for practical activities.

Design of a microcontroller-based current and voltage measurement system to identify diode characteristic curves, namely a tool that will read or measure current and voltage on a milliampere (mA) scale and can identify diode characteristic curves.

Keywords: Measurement, Curve, Graph, Diode, Practical, Milliamperes.