

*DESIGN AND ANALYSIS OF OVERCURRENT PROTECTION SYSTEM BASED
ON ARDUINO UNO DIP328*

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The development of science and technology is growing rapidly. The current of globalization has penetrated all areas of human life, especially in the field of electricity. Then the need for electricity will automatically increase, because we already know that almost all human activities really need electrical energy. The life of modern society today is very dependent on electrical energy. Stable and quality electrical energy is needed, especially for residential consumers who use electricity on a daily basis. The function of the protection system equipment is to identify disturbances and separate the disturbed network part from other parts that are still in normal condition and at the same time secure this part from damage that can cause loss. This proves that the protection system plays a very important role, and very good sensitivity is needed. Protection systems on electrical equipment are needed to maintain the reliability and quality of electricity. If there is more current than the maximum limit that has been determined, then the protection system will work and the lamp will turn on the sign that the current exceeds the predetermined limit.

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