

## **Fabrication of Polysilicon Nanowires using Trimming Technique**

### **ABSTRACT**

Recently most researches are more to scaling down the electronic devices and this fact including component, structure and complexity of electronic devices. These matters also include fabrication of nanowires in certain electronic device which use this application. Nanowires at the present time widely used in many applications such as biotechnology or biosensors, photonics, diodes and field effect transistors (FET), solar cells and so on because it suitable with devices that involve with nanometer scale features, measure and detection or sensors. Nanowires mostly used in biotechnology because the natural size scales of biology itself. This review is to explore more about nanowires and summarizing the important things that related with Nanowires such as structure sizes, fabrication technique will be used and applications involve will be elaborated as well.

### **Keywords:**

scaling down, electronic devices, nanowires, biotechnology, nanometer scale features, natural size, fabrication technique.