

**PROJECT II ( KEU 380 ) : NOISE DETECTOR**

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# ABSTRACT

Today because of electronics, we have capabilities that could not even be dreamed about just a few years ago. In the field of communications many of hearing devices are being created for people's goods.

The project name is noise detector as it can amplify small signals of noise to a bigger signal. This concept is used in hearing devices to help those who are not capable of hearing. It also can be modified into a very sensitive device that could be used to spy on someone's conversation (around 20m).

Our noise detector uses a 9V supply (can use both battery or electric supply) using a FW bridge and transformer to convert 250V to 9V. You'll be served for more details in our coming page.

# ACKNOWLEDGEMENT

Firstly, it's a delight to thank Allah S.W.T for giving us a great pleasure while making this project.

We owe a second deep debt to Abang Man, a friend from Jitra Politech. He more like our technical adviser. Among those who had the greatest impact and to whom ours most indebted is En. Anuar, (our lecturer). His support and encouragement during the making of this project have been immeasurable. In addition he's the one who kept us on the right track with regard to deadlines and proper procedures.

We also grateful for the support and suggestion from our dear friends. Their idea also helps conceptualise the project. Special thanks to my dad, En. Ibrahim Yahya for the financial support and his ongoing encouragement. Thanks to En. Mat whom are unknown to me, who enabled this project to become reality. He is a librarian at "Perpustakaan Alor Setar". Lastly thanks to

everybody that giving us direct or indirect contributions to  
this project.

## 1.1 THEORY

Late 1935 an English man named Joseph W. Arnold was born. Since he small age he was interested to hear other people conversation because he wants to know what are they talking about. However he had dificulty to hear if the conversation is far away from him.

When he grow up,he entered a local university at his place.Starting from there his curiosity make him create a small amplifier device that can tracks noise mile away.That is the starting points where noise detector was found.

Our project today also called noise detector ,of course our noise detector is far more advance than the noise detector created by him.This noise detector also can be modified into a hearing devices for those who are having hearing problem.

This project actually is divided into three stage,that is power supply for stage 1,a detector circuit for stage 2 and amplifier circuit for stage 3.

In the next pages we are going to describe how the three stages work.