

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA

FINAL REPORT OF DIPLOMA PROJECT

**DIGITAL MUSIC
SOUND AMPLIFIER**

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ACKNOWLEDGEMENT

In the name of Allah, the most Gracious and Merciful, Praise is to Allah, the Lord of the Universe and May the blessings and peace of Allah be upon his messengers. First and foremost, thank to Allah s.w.t, for giving us energy and opportunity to complete this KEU 380 (Project 1) report.














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OBJECTIVE

The main purpose of doing this project is to test our knowledge about electronics' devices such as about the functions of integration circuits, resistors, variable resistors, capacitors and also speakers.

Beside that we are also learning on how to excel in doing a project properly and make us more experts in doing whatever assignment that given to us. Moreover this project is one of the subjects that we have to take for this semester.

It is wanted the student apply what they have learn before in doing the project. It is also make the student know and study the main function of electronic component.

We also learn about how to make the circuit with computer. We have to make it operate or run it. In doing this we have to apply what we have learned before. So, we have achieve the main objectives of this subject (KEU 380)

INTRODUCTION

DIGITAL MUSIC SOUND AMPLIFIER is one of a circuit that will produce sounds that can attract people's attention. The beautiful sounds will occur if we manage to pick the 10 resistors properly and carefully. We can use whatever value of the resistors that we want. But if we want the good result to be obtained, we use the value of resistor from 470 ohm until 10k ohm of resistors.

To obtain a nice result, we have to preset 1M ohm of variable resistor for the tempo and for the tones, we also have to preset the variable resistor by using 50k ohm resistor. In this circuit we have to use voltage supply in a range of 5 volt to 6 volt only.

This circuit can be provided the many types of the interested sounds, if used the right resistor. Generally, this circuit is used in the music box, key board, handset, computer and any thing product can be producing the any sound.

In computer or handset, we can select any sound. But, before that we must set the value at variable resistor.