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APPROVAL AND DECLARATION SHEET

This project report titled FM Telephone Transmitter was prepared and submitted by Jufri Bin Hj Johari (Matrix Number: 031080765) and has been found satisfactory in term of scope, quality and presentation as partial fulfillment of the requirement for the Bachelor of Engineering (Communication Engineering) in University Malaysia Perlis (UniMAP)

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DECLARATION

This declaration is to clarify that all of the submitted contents of this project are original in its figure, excluding those, which have been admitted specifically in the references. All the work process involved is from my own idea and creativity. All contents of this project have been submitted as a part of partial fulfillment of Bachelor of Engineering in Communication Engineering. I hereby declare that this project is the work of my own excluded for the references document and summaries that have been acknowledge.

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ABSTRAK

Penghantar Telefon Radio FM adalah sebuah projek yang terdiri daripada gabungan alat telefon, litar-litar elektronik dan Radio FM. Gabungan bahagian-bahagian tersebut adalah talian telefon, litar elektronik dan radio FM yang dibuat pelarasan frekuensi di antara 88 MHz hingga 95 MHz. Secara keseluruhannya medium perantaraan projek ini adalah gabungan kabel dan gelombang frekuensi radio. Operasi untuk projek ini adalah bermula dari penerimaan panggilan masuk dari telefon yang kemudiannya dihalakan ke FM radio menggunakan frekuensi radio diantara 88 MHz hingga 95 MHz di mana perataran suara dari kedua-dua belah pihak dapat dilakukan. Projek ini adalah sesuai untuk pengguna yang ramai mendengar panggilan dari luar dan pada masa yang sama dapat merekodkannya jika terdapat sesuatu yang mustahak untuk disimpan.

ABSTRACTS

The project titled FM Radio Telephone Transmitter is a project, which consists of telephone set, transmitter electronic circuit, FM Radio where the Standard FM broadcasts are based in the 90 - 95 MHz range. Roughly this project is divided into three parts, which is incoming call that developed by telephone set, electronic transmitter circuit and RF (radio frequency) channel. The device will connects in series with a phone line, power from the latter, and transmits both sides of a conversation to an FM radio tuned to between 88 MHz - 95 MHz. Overall this project performed the combination of interfacing of cable and radio frequency. The operation of this project is that when the phone receives the incoming call, it will be tuned to the FM Radio via RF, radio frequency (88 MHz - 95 MHz) where both sides of conversation can be develop. This project is very suitable for multiple users to hear the incoming message from phone loudly. Its also suitable, for long distance calls where, he or she doesn't have the time or can't afford to stay on long, but everybody at home still wants to hear his or her voice and record the message.

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