

## ***ABSTRACT***

Technology development has grown so fast, it leads us to the developing of new application including in educational sector. One of them is computer based learning method, which is by all means that the computer is used as a media in learning process through the interaction between user and computer software program.

This degree thesis is to made a software that can be used to design an impedance matching circuit. The content of this software is include the making of impedance matching circuit using lumped element (L,C), stub, and implemented using microstrip line.

There are some steps in doing this degree thesis. First is to prepare and collect the theories related with the topic, the making of simulation software, analyzing the simulation result, and quisioner. The software that will be used in this degree is Borland Delphi 7.

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