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Abstract

The content of Electric Circuit Analysis 1 is much more than can be taught in a regular term. So, it is necessary to make some part of the content to be self learning computer programme.

The aim of this research has created and find self learning computer programme for electric circuit analysis 1 of the faculty of Technical Education KMITNB. This learning set has been decided to be self learning programme with the efficiency 80/80 or over. This set of self learning consist of 6 stories. These are Divider Circuit, Superposition Principle, Kirchhoff's Laws, Mesh Analysis, Node Analysis and Thevenin's and Norton's Theorems and one final testing.

This learning set has been piloted with the subject from 20 electric second year students of faculty of Technical Education KMITNB in the first semester 1991.

The result of the study appears that the percentage of the post test of each section and the percentage of the final test ($E1/E2$) equals 81.48/79.96. Even if the percentage of the final test has the value lower than the criteria but still remain acceptable. It review that self learning computer programme for electric circuit analysis 1 can be used as self learning.