ÇANKAYA UNIVERSITY

ECE 232

Advanced Electrical Circuit Analysis + Lab

Due Date: 20.05.2016

To : Res. Assist. Hilal BİNGÖL

LABORATORY PROJECT REPORT - 1

Testing a Transformer

Group Members :

A laboratory report should be composed of the following sections. You may use this document as a template for your report.

1 INTRODUCTION

Here, you basically answer these questions: "What is the hypothesis of the experiment? "What are the expected results?" The introduction does not need to be longer than one paragraph.

2 THE EXPERIMENT

2.1 The experimental setup

In this section, describe devices used in the experiment.

2.2 The methods

In this section, also describe: how the data is gathered. Show your calculations (formulas) and show how do you get the required results.

(a) Open Circuit Test
(b) Short Circuit Test

2.3 The results

In this section present all relevant results of the experiment in a clear and easy to understand fashion.

(a) Theoric Results
(b) Experimental Results
(c) Efficiency of the transformer
(d) P_{out} and P_{in}

2.4 Discussion

In this section discuss the results of the experiment. You could compare your findings with theoric values.

3 CONCLUSION

In this section, explain what you have learned from this experiment.