**NECMETTİN ERBAKAN UNIVERSITY**

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**GRADUATION PROJECT**

**LABORATORY REPORT I:**

**BERNOULLI EQUATION EXPERIMENT**

**Submitted by:**

**Student ID1 / Name 1**

**Student ID2 / Name 2**

**Student ID3 / Name 3**

**Student ID3 / Name 4**

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**Student ID3 / Name 6**

**Important Notes:**

* If you put additional information, please give it in appendices.
* Please give references if it is necessary

**ABSTRACT** **(5 pts)**

Give a short description about the laboratory in 50-70 words.

# INTRODUCTION (10 pts)

Give a brief overview of experiment procedure in 70-100 words.

# THEORY (35 pts)

Give a brief overview of experiment theory

# RESULTS (35 pts)

Briefly explain each case that you observe while the experiment. Write your observations.

The data taken in the experiment will be used for velocity calculation for each case. The relation between the flow rate and glow cross sectional area will be showed. The difference between theoretical data and experimental data will be decided and the error rate will be determined.

The results obtained are the flow rate and flow cross-sectional area will be showed by graph and table. Also an inverse linear relationship between the flow velocity and the flow cross-sectional area will be observed.

# CONCLUSION (15 pts)

Explain the discussion of the results, and the questions relating to the purpose of the work. Summarize the laboratory work and write your own findings.

# REFERENCES

Use IEEE format for references. Don’t forget to give in-text references.

[1] J.D. Anderson Jr., Fundamentals of Aerodynamics, McGraw-Hill, New York, 1984.