Laboratory 3 Sample Report

Contents

- Title: [Insert Experiment Title]

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1. Introduction

- Provide an overview of flow measurement principles.
- State the objectives of the experiment.

2. Methods

- Describe the experimental setup and procedure in detail.

3. Results

- Present recorded data in tables and graphs (e.g., calibration curves).
- Include sample calculations for discharge and mass flow.

4. Discussion

- Analyze the accuracy and reliability of each device.
- Compare experimental results with theoretical predictions.
- Does the mass flow meter have the correct meter constant (a value that relates

turbine rotations to flow rate); if not suggest a better constant.

- Identify potential sources of error and their impact.

5. Conclusion

- Summarize key findings and their implications for fluid mechanics.

6. References

- List all sources, including manuals, instructional videos, and textbooks.