

DESIGN AND FABRICATION OF A MINI HYDROELECTRIC GENERATOR

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ABSTRACT

The content of this report will start with the introduction of Mini Hydroelectric Generator. Explanation is shown in this section for the title and the uses of this project. Next, project construction is explained step by step and there are pictures for every part of project to show the progress and the material used. Results and analysis are shown after the construction part. Equations and calculation can be found in this section. There are calculation for few parts of project, such as turbine, dynamo, nozzle, and gears. Besides, problems encountered before and during fabrication of project is listed out and discussed. References are found at the end of page to make it easier for every reader to obtain related information.

There are some diagrams and picture have been attached to give more idea and to understand easily of the project and the concept of how it is manufactured and works.