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PAPER FROM COCONUT HUSK

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ABSTRACT

This report presents an innovative proposal to prepare paper from coconut husk. Coconut is used in many of our day to day requirements. Usually the inner part of coconut is used and the outer covering is thrown away. The outer covering of coconut is thus wasted. Here we have tried to make paper from the covering thus it does not get wasted.

Keywords:Coconut, covering, fibers, husk, paper

I.INTRODUCTION

The process of making paper usually involves cutting of trees. We are all aware of the number of trees being cut for production of paper and its negative impact on the environment. In this experiment we have provided an alternate method to produce paper. The process used in this experiment is comparatively easies than the complicated process of making paper by cutting trees. Also the product is ready at a relatively lower cost. We have tried to make the best out of waste by using coconut husk to manufacture paper. We have used washing soda in order to separate the fibers of coconut husk [3].

II.RESOURCES

1. Coconut Fiber
2. Washing Soda
3. Thin pore wire mesh
4. Water

III.PROCEDURE

Place container of 1 liter with 2/3rd water filled in it on a burner and heat it till boiling point is achieved. Add 10 gm of washing soda per liter of water to container. Add 50gm coconut husk (which is well washed to remove dirt) to the container. Let the mixture boil till the coconut fiber gets soft. Remove the coconut fibers from the container and wash it with cold water to remove washing soda from the surface of fibers. Grind these soft fibers to make a pulp of it [1]. Take waste paper and grind it with water to prepare waste paper pulp. Prepare a solution of containing waste paper pulp and coconut pulp in the ratio of 3:2. Pour the solution through the net frame to

obtain a uniform fiber layer on the top of the net. Remove the layer from the frame and keep it under high pressure (to remove moisture).Paper made from coconut husk will be obtained.

IV.FIGURES AND PICTURES






V.CONCLUSION

An alternate method of making paper is by using coconut husk. Focusing primarily on quality of strength, coconut husk is an effective alternative material in producing paper [2]. Using coconut husk instead of papyrus can save a lot of trees from being cut. This can reduce pollution in the environment and also have a positive impact on the environment. This method takes very less time for paper to be made ready for use therefore the process is relatively fast. Also the cast of production of paper is affordable. The materials required for the making of paper are also easily available.

VI.FUTURE SCOPE

The use of waste paper will be reduced in future. This product is a homemade product which can be used as decorative paper. The strength will be increased.

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